SEQUENCE LISTING

<110> INCYTE GENOMICS, INC.
LAL, Preeti
YANG, Junming
YUE, Henry
HILLMAN, Jennifer L.
TANG, Y. Tom
BANDMAN, Olga
BURFORD, Neil
BAUGHN, Mariah R.
AZIMZAI, Yalda
LU, Dyung Aina M.
AU-YOUNG, Janice
PATTERSON, Chandra

<120> HUMAN TRANSPORT PROTEINS

<130> PF-0709 PCT

<140> To Be Assigned
<141> Herewith

<150> 60/139,923; 60/148,177; 60/149,357; 60/162,287
<151> 1999-06-17; 1999-08-10; 1999-08-18; 1999-10-28

<160> 86
<170> PERL Program

<210> 1
<211> 623
<212> PRT
<213> Homo sapiens

<220>
<221> misc_feature
<223> Incyte ID No: 264114CD1

<400> 1

```
Met Ser Thr Gln Asp Glu Arg Gln Ile Asn Thr Glu Tyr Ala Val
  1               5                  10                  15
Ser Leu Leu Glu Gln Leu Lys Leu Phe Tyr Glu Gln Gln Leu Phe
             20                  25                  30
Thr Asp Ile Val Leu Ile Val Glu Gly Thr Glu Phe Pro Cys His
         35                  40                  45
Lys Met Val Leu Ala Thr Cys Ser Ser Tyr Phe Arg Ala Met Phe
     50                  55                  60
Met Ser Gly Leu Ser Glu Ser Lys Gln Thr His Val His Leu Arg
 65                  70                  75
Asn Val Asp Ala Ala Thr Leu Gln Ile Ile Ile Thr Tyr Ala Tyr
             80                  85                  90
Thr Gly Asn Leu Ala Met Asn Asp Ser Thr Val Glu Gln Leu Tyr
         95                 100                 105
Glu Thr Ala Cys Phe Leu Gln Val Glu Asp Val Leu Gln Arg Cys
    110                 115                 120
Arg Glu Tyr Leu Ile Lys Lys Ile Asn Ala Glu Asn Cys Val Arg
    125                 130                 135
Leu Leu Ser Phe Ala Asp Leu Phe Ser Cys Glu Glu Leu Lys Gln
    140                 145                 150
Ser Ala Lys Arg Met Val Glu His Lys Phe Thr Ala Val Tyr His
    155                 160                 165
Gln Asp Ala Phe Met Gln Leu Ser His Asp Leu Leu Ile Asp Ile
    170                 175                 180
Leu Ser Ser Asp Asn Leu Asn Val Glu Lys Glu Glu Thr Val Arg
    185                 190                 195
Glu Ala Ala Met Leu Trp Leu Glu Tyr Asn Thr Glu Ser Arg Ser
```

```
                200                 205                 210
Gln Tyr Leu Ser Ser Val Leu Ser Gln Ile Arg Ile Asp Ala Leu
                215                 220                 225
Ser Glu Val Thr Gln Arg Ala Trp Phe Gln Gly Leu Pro Pro Asn
                230                 235                 240
Asp Lys Ser Val Val Val Gln Gly Leu Tyr Lys Ser Met Pro Lys
                245                 250                 255
Phe Phe Lys Pro Arg Leu Gly Met Thr Lys Glu Glu Met Met Ile
                260                 265                 270
Phe Ile Glu Ala Ser Ser Glu Asn Pro Cys Ser Leu Tyr Ser Ser
                275                 280                 285
Val Cys Tyr Ser Pro Gln Ala Glu Lys Val Tyr Lys Leu Cys Ser
                290                 295                 300
Pro Pro Ala Asp Leu His Lys Val Gly Thr Val Val Thr Pro Asp
                305                 310                 315
Asn Asp Ile Tyr Ile Ala Gly Gly Gln Val Pro Leu Lys Asn Thr
                320                 325                 330
Lys Thr Asn His Ser Lys Thr Ser Lys Leu Gln Thr Ala Phe Arg
                335                 340                 345
Thr Val Asn Cys Phe Tyr Trp Phe Asp Ala Gln Gln Asn Thr Trp
                350                 355                 360
Phe Pro Lys Thr Pro Met Leu Phe Val Arg Ile Lys Pro Ser Leu
                365                 370                 375
Val Cys Cys Glu Gly Tyr Ile Tyr Ala Ile Gly Gly Asp Ser Val
                380                 385                 390
Gly Gly Glu Leu Asn Arg Arg Thr Val Glu Arg Tyr Asp Thr Glu
                395                 400                 405
Lys Asp Glu Trp Thr Met Val Ser Pro Leu Pro Cys Ala Trp Gln
                410                 415                 420
Trp Ser Ala Ala Val Val Val His Asp Cys Ile Tyr Val Met Thr
                425                 430                 435
Leu Asn Leu Met Tyr Cys Tyr Phe Pro Arg Ser Asp Ser Trp Val
                440                 445                 450
Glu Met Ala Met Arg Gln Thr Ser Arg Ser Phe Ala Ser Ala Ala
                455                 460                 465
Ala Phe Gly Asp Lys Ile Phe Tyr Ile Gly Gly Leu His Ile Ala
                470                 475                 480
Thr Asn Ser Gly Ile Arg Leu Pro Ser Gly Thr Val Asp Gly Ser
                485                 490                 495
Ser Val Thr Val Glu Ile Tyr Asp Val Asn Lys Asn Glu Trp Lys
                500                 505                 510
Met Ala Ala Asn Ile Pro Ala Lys Arg Tyr Ser Asp Pro Cys Val
                515                 520                 525
Arg Ala Val Val Ile Ser Asn Ser Leu Cys Val Phe Met Arg Glu
                530                 535                 540
Thr His Leu Asn Glu Arg Ala Lys Tyr Val Thr Tyr Gln Tyr Asp
                545                 550                 555
Leu Glu Leu Asp Arg Trp Ser Leu Arg Gln His Ile Ser Glu Arg
                560                 565                 570
Val Leu Trp Asp Leu Gly Arg Asp Phe Arg Cys Thr Val Gly Lys
                575                 580                 585
Leu Tyr Pro Ser Cys Leu Glu Glu Ser Pro Trp Lys Pro Pro Thr
                590                 595                 600
Tyr Leu Phe Ser Thr Asp Gly Thr Glu Glu Phe Glu Leu Asp Gly
                605                 610                 615
Glu Met Val Ala Leu Pro Pro Val
                620
<210> 2
<211> 99
<212> PRT
<213> Homo sapiens

<220>
<221> misc_feature
<223> Incyte ID No: 1455669CD1

<400> 2
Met Ala Ala Pro Ala Glu Pro Cys Ala Gly Gln Gly Val Trp Asn
```

```
  1               5                  10                  15
Gln Thr Glu Pro Glu Pro Ala Ala Thr Ser Leu Leu Ser Leu Cys
             20                  25                  30
Phe Leu Arg Thr Ala Gly Val Trp Val Pro Pro Met Tyr Leu Trp
             35                  40                  45
Val Leu Gly Pro Ile Tyr Leu Leu Phe Ile His His His Gly Arg
             50                  55                  60
Gly Tyr Leu Arg Met Ser Pro Leu Phe Lys Ala Lys Met Val Ala
             65                  70                  75
Ala Ile Pro Gly Ser Leu Glu Pro Gly Asn Val Arg Gly Arg Gln
             80                  85                  90
Gly Thr Gly Trp Asn Leu Val Lys Ser
             95
<210> 3
<211> 374
<212> PRT
<213> Homo sapiens

<220>
<221> misc_feature
<223> Incyte ID No: 2084989CD1

<400> 3
Met Glu Ser Lys Met Gly Glu Leu Pro Leu Asp Ile Asn Ile Gln
  1               5                  10                  15
Glu Pro Arg Trp Asp Gln Ser Thr Phe Leu Gly Arg Ala Arg His
             20                  25                  30
Phe Phe Thr Val Thr Asp Pro Arg Asn Leu Leu Leu Ser Gly Ala
             35                  40                  45
Gln Leu Glu Ala Ser Arg Asn Ile Val Gln Asn Tyr Arg Ala Gly
             50                  55                  60
Val Val Thr Pro Gly Ile Thr Glu Asp Gln Leu Trp Arg Ala Lys
             65                  70                  75
Tyr Val Tyr Asp Ser Ala Phe His Pro Asp Thr Gly Glu Lys Val
             80                  85                  90
Val Leu Ile Gly Arg Met Ser Ala Gln Val Pro Met Asn Met Thr
             95                 100                 105
Ile Thr Gly Cys Met Leu Thr Phe Tyr Arg Lys Thr Pro Thr Val
            110                 115                 120
Val Phe Trp Gln Trp Val Asn Gln Ser Phe Asn Ala Ile Val Asn
            125                 130                 135
Tyr Ser Asn Arg Ser Gly Asp Thr Pro Ile Thr Val Arg Gln Leu
            140                 145                 150
Gly Thr Ala Tyr Val Ser Ala Thr Thr Gly Ala Val Ala Thr Ala
            155                 160                 165
Leu Gly Leu Lys Ser Leu Thr Lys His Leu Pro Pro Leu Val Gly
            170                 175                 180
Arg Phe Val Pro Phe Ala Ala Val Ala Ala Ala Asn Cys Ile Asn
            185                 190                 195
Ile Pro Leu Met Arg Gln Arg Glu Leu Gln Val Gly Ile Pro Val
            200                 205                 210
Ala Asp Glu Ala Gly Gln Arg Leu Gly Tyr Ser Val Thr Ala Ala
            215                 220                 225
Lys Gln Gly Ile Phe Gln Val Val Ile Ser Arg Ile Cys Met Ala
            230                 235                 240
Ile Pro Ala Met Ala Ile Pro Pro Leu Ile Met Asp Thr Leu Glu
            245                 250                 255
Lys Lys Asp Phe Leu Lys Val Gly Asp Cys Thr Ser Leu Val Leu
            260                 265                 270
Glu Trp Ala Met Ala Gly Arg Ser Asp Gln Ala Pro Thr Leu Ser
            275                 280                 285
Pro Ala Ser Pro Asp Ser Leu Arg Leu Ala Ser Pro Ser Pro Asp
            290                 295                 300
Pro Cys Thr Ala Ser Ser Thr Phe Val His Ser Ala Arg Met Asn
            305                 310                 315
Trp Ala Gly Val Lys Glu Leu Cys Arg Gly Arg Arg Arg Gly Gln
            320                 325                 330
Arg Lys Glu Thr Asn Phe Ile Ser Val Thr Pro Val Ala Ser Asp
```

```
                335                 340                 345
Thr Gln Lys Gly Thr Val Ile Val Met Leu Asp Leu Met Leu Ile
                350                 355                 360
Leu Leu Pro Pro Ser Ala Ser Ile Leu Arg Gly Thr His Gly
                365                 370
<210> 4
<211> 271
<212> PRT
<213> Homo sapiens

<220>
<221> misc_feature
<223> Incyte ID No: 2501034CD1

<400> 4
Met Gly Asn Gly Gly Arg Ser Gly Leu Gln Gln Gly Lys Gly Asn
  1                 5                  10                  15
Val Asp Gly Val Ala Ala Thr Pro Thr Ala Ala Ser Ala Ser Cys
                 20                  25                  30
Gln Tyr Arg Cys Ile Glu Cys Asn Gln Glu Ala Lys Glu Leu Tyr
                 35                  40                  45
Arg Asp Tyr Asn His Gly Val Leu Lys Ile Thr Ile Cys Lys Ser
                 50                  55                  60
Cys Gln Lys Pro Val Asp Lys Tyr Ile Glu Tyr Asp Pro Val Ile
                 65                  70                  75
Ile Leu Ile Asn Ala Ile Leu Cys Lys Ala Gln Ala Tyr Arg His
                 80                  85                  90
Ile Leu Phe Asn Thr Gln Ile Asn Ile His Gly Lys Leu Cys Ile
                 95                 100                 105
Phe Cys Leu Leu Cys Glu Ala Tyr Leu Arg Trp Trp Gln Leu Gln
                110                 115                 120
Asp Ser Asn Gln Asn Thr Ala Pro Asp Asp Leu Ile Arg Tyr Ala
                125                 130                 135
Lys Glu Trp Asp Phe Tyr Arg Met Phe Ala Ile Ala Ala Leu Glu
                140                 145                 150
Gln Thr Ala Tyr Phe Ile Gly Ile Phe Thr Phe Leu Trp Val Glu
                155                 160                 165
Arg Pro Met Thr Ala Lys Lys Lys Pro Asn Phe Ile Leu Leu Leu
                170                 175                 180
Lys Ala Leu Leu Leu Ser Ser Tyr Gly Lys Leu Leu Leu Ile Pro
                185                 190                 195
Ala Val Ile Trp Glu His Asp Tyr Thr Ser Val Cys Leu Lys Leu
                200                 205                 210
Ile Lys Val Phe Val Leu Thr Ser Asn Phe Gln Ala Ile Arg Val
                215                 220                 225
Thr Leu Asn Ile Asn Arg Lys Leu Ser Phe Leu Ala Val Leu Ser
                230                 235                 240
Gly Leu Leu Leu Glu Ser Ile Met Val Tyr Phe Phe Gln Ser Met
                245                 250                 255
Glu Trp Asp Val Gly Ser Asp Tyr Ala Ile Phe Lys Ser Gln Asp
                260                 265                 270
Phe

<210> 5
<211> 323
<212> PRT
<213> Homo sapiens

<220>
<221> misc_feature
<223> Incyte ID No: 2745212CD1

<400> 5
Met Ala Pro Lys Gln Asp Pro Lys Pro Lys Phe Gln Glu Gly Glu
  1                 5                  10                  15
Arg Val Leu Cys Phe His Gly Pro Leu Leu Tyr Glu Ala Lys Cys
                 20                  25                  30
Val Lys Val Ala Ile Lys Asp Lys Gln Val Lys Tyr Phe Ile His
```

```
                35                  40                  45
Tyr Ser Gly Trp Asn Lys Asn Trp Asp Glu Trp Val Pro Glu Ser
                50                  55                  60
Arg Val Leu Lys Tyr Val Asp Thr Asn Leu Gln Lys Gln Arg Glu
                65                  70                  75
Leu Gln Lys Ala Asn Gln Glu Gln Tyr Ala Glu Gly Lys Met Arg
                80                  85                  90
Gly Ala Ala Pro Gly Lys Lys Thr Ser Gly Leu Gln Gln Lys Asn
                95                  100                 105
Val Glu Val Lys Thr Lys Lys Asn Lys Gln Lys Thr Pro Gly Asn
                110                 115                 120
Gly Asp Gly Gly Ser Thr Ser Glu Thr Pro Gln Pro Pro Arg Lys
                125                 130                 135
Lys Arg Ala Arg Val Asp Pro Thr Val Glu Asn Glu Glu Thr Phe
                140                 145                 150
Met Asn Arg Val Glu Val Lys Val Lys Ile Pro Glu Glu Leu Lys
                155                 160                 165
Pro Trp Leu Val Asp Asp Trp Asp Leu Ile Thr Arg Gln Lys Gln
                170                 175                 180
Leu Phe Tyr Leu Pro Ala Lys Lys Asn Val Asp Ser Ile Leu Glu
                185                 190                 195
Asp Tyr Ala Asn Tyr Lys Lys Ser Arg Gly Asn Thr Asp Asn Lys
                200                 205                 210
Glu Tyr Ala Val Asn Glu Val Val Ala Gly Ile Lys Glu Tyr Phe
                215                 220                 225
Asn Val Met Leu Gly Thr Gln Leu Leu Tyr Lys Phe Glu Arg Pro
                230                 235                 240
Gln Tyr Ala Glu Ile Leu Ala Asp His Pro Asp Ala Pro Met Ser
                245                 250                 255
Gln Val Tyr Gly Ala Pro His Leu Leu Arg Leu Phe Val Arg Ile
                260                 265                 270
Gly Ala Met Leu Ala Tyr Thr Pro Leu Asp Glu Lys Ser Leu Ala
                275                 280                 285
Leu Leu Leu Asn Tyr Leu His Asp Phe Leu Lys Tyr Leu Ala Lys
                290                 295                 300
Asn Ser Ala Thr Leu Phe Ser Ala Ser Asp Tyr Glu Val Ala Pro
                305                 310                 315
Pro Glu Tyr His Arg Lys Ala Val
                320
<210> 6
<211> 274
<212> PRT
<213> Homo sapiens

<220>
<221> misc_feature
<223> Incyte ID No: 4833111CD1

<400> 6
Met Asp Arg Pro Gly Phe Val Ala Ala Leu Val Ala Gly Gly Val
  1                 5                  10                  15
Ala Gly Val Ser Val Asp Leu Ile Leu Phe Pro Leu Asp Thr Ile
                20                  25                  30
Lys Thr Arg Leu Gln Ser Pro Gln Gly Phe Ser Lys Ala Gly Gly
                35                  40                  45
Phe His Gly Ile Tyr Ala Gly Val Pro Ser Ala Ala Ile Gly Ser
                50                  55                  60
Phe Pro Asn Ala Ala Ala Phe Phe Ile Thr Tyr Glu Tyr Val Lys
                65                  70                  75
Trp Phe Leu His Ala Asp Ser Ser Ser Tyr Leu Thr Pro Met Lys
                80                  85                  90
His Met Leu Ala Ala Ser Ala Gly Glu Val Val Ala Cys Leu Ile
                95                  100                 105
Arg Val Pro Ser Glu Val Val Lys Gln Arg Ala Gln Val Ser Ala
                110                 115                 120
Ser Thr Arg Thr Phe Gln Ile Phe Ser Asn Ile Leu Tyr Glu Glu
                125                 130                 135
Gly Ile Gln Gly Leu Tyr Arg Gly Tyr Lys Ser Thr Val Leu Arg
```

```
                140                 145                 150
Glu Ile Pro Phe Ser Leu Val Gln Phe Pro Leu Trp Glu Ser Leu
                155                 160                 165
Lys Ala Leu Trp Ser Trp Arg Gln Asp His Val Val Asp Ser Trp
                170                 175                 180
Gln Ser Ala Val Cys Gly Ala Phe Ala Gly Gly Phe Ala Ala Ala
                185                 190                 195
Val Thr Thr Pro Leu Asp Val Ala Lys Thr Arg Ile Thr Leu Ala
                200                 205                 210
Lys Ala Gly Ser Ser Thr Ala Asp Gly Asn Val Leu Ser Val Leu
                215                 220                 225
His Gly Val Trp Arg Ser Gln Gly Leu Ala Gly Leu Phe Ala Gly
                230                 235                 240
Val Phe Pro Arg Met Ala Ala Ile Ser Leu Gly Gly Phe Ile Phe
                245                 250                 255
Leu Gly Ala Tyr Asp Arg Thr His Ser Leu Leu Leu Glu Val Gly
                260                 265                 270
Arg Lys Ser Pro
```

<210> 7
<211> 291
<212> PRT
<213> Homo sapiens

<220>
<221> misc_feature
<223> Incyte ID No: 876677CD1

<400> 7

```
Met Asp Ser Arg Val Ser Ser Pro Glu Lys Gln Asp Lys Glu Asn
  1                 5                  10                  15
Phe Val Gly Val Asn Asn Lys Arg Leu Gly Val Cys Gly Trp Ile
                 20                  25                  30
Leu Phe Ser Leu Ser Phe Leu Leu Val Ile Ile Thr Phe Pro Ile
                 35                  40                  45
Ser Ile Trp Met Cys Leu Lys Ile Ile Lys Glu Tyr Glu Arg Ala
                 50                  55                  60
Val Val Phe Arg Leu Gly Arg Ile Gln Ala Asp Lys Ala Lys Gly
                 65                  70                  75
Pro Gly Leu Ile Leu Val Leu Pro Cys Ile Asp Val Phe Val Lys
                 80                  85                  90
Val Asp Leu Arg Thr Val Thr Cys Asn Ile Pro Pro Gln Glu Ile
                 95                 100                 105
Leu Thr Arg Asp Ser Val Thr Thr Gln Val Asp Gly Val Val Tyr
                110                 115                 120
Tyr Arg Ile Tyr Ser Ala Val Ser Ala Val Ala Asn Val Asn Asp
                125                 130                 135
Val His Gln Ala Thr Phe Leu Leu Ala Gln Thr Thr Leu Arg Asn
                140                 145                 150
Val Leu Gly Thr Gln Thr Leu Ser Gln Ile Leu Ala Gly Arg Glu
                155                 160                 165
Glu Ile Ala His Ser Ile Gln Thr Leu Leu Asp Asp Ala Thr Glu
                170                 175                 180
Leu Trp Gly Ile Arg Val Ala Arg Val Glu Ile Lys Asp Val Arg
                185                 190                 195
Ile Pro Val Gln Leu Gln Arg Ser Met Ala Ala Glu Ala Glu Ala
                200                 205                 210
Thr Arg Glu Ala Arg Ala Lys Val Leu Ala Ala Glu Gly Glu Met
                215                 220                 225
Asn Ala Ser Lys Ser Leu Lys Ser Ala Ser Met Val Leu Ala Glu
                230                 235                 240
Ser Pro Ile Ala Leu Gln Leu Arg Tyr Leu Gln Thr Leu Ser Thr
                245                 250                 255
Val Ala Thr Glu Lys Asn Ser Thr Ile Val Phe Pro Leu Pro Met
                260                 265                 270
Asn Ile Leu Glu Gly Ile Gly Gly Val Ser Tyr Asp Asn His Lys
                275                 280                 285
Lys Leu Pro Asn Lys Ala
```

290

<210> 8
<211> 381
<212> PRT
<213> Homo sapiens

<220>
<221> misc_feature
<223> Incyte ID No: 2326143CD1

<400> 8
Met Ser Arg His Glu Gly Val Ser Cys Asp Ala Cys Leu Lys Gly
1 5 10 15
Asn Phe Arg Gly Arg Arg Tyr Lys Cys Leu Ile Cys Tyr Asp Tyr
20 25 30
Asp Leu Cys Ala Ser Cys Tyr Glu Ser Gly Ala Thr Thr Thr Arg
35 40 45
His Thr Thr Asp His Pro Met Gln Cys Ile Leu Thr Arg Val Asp
50 55 60
Phe Asp Leu Tyr Tyr Gly Gly Glu Ala Phe Ser Val Glu Gln Pro
65 70 75
Gln Ser Phe Thr Cys Pro Tyr Cys Gly Lys Met Gly Tyr Thr Glu
80 85 90
Thr Ser Leu Gln Glu His Val Thr Ser Glu His Ala Glu Thr Ser
95 100 105
Thr Glu Val Ile Cys Pro Ile Cys Ala Ala Leu Pro Gly Gly Asp
110 115 120
Pro Asn His Val Thr Asp Asp Phe Ala Ala His Leu Thr Leu Glu
125 130 135
His Arg Ala Pro Arg Asp Leu Asp Glu Ser Ser Gly Val Arg His
140 145 150
Val Arg Arg Met Phe His Pro Gly Arg Gly Leu Gly Gly Pro Arg
155 160 165
Ala Arg Arg Ser Asn Met His Phe Thr Ser Ser Ser Thr Gly Gly
170 175 180
Leu Ser Ser Ser Gln Ser Ser Tyr Ser Pro Ser Asn Arg Glu Ala
185 190 195
Met Asp Pro Ile Ala Glu Leu Leu Ser Gln Leu Ser Gly Val Arg
200 205 210
Arg Ser Ala Gly Gly Gln Leu Asn Ser Ser Gly Pro Ser Ala Ser
215 220 225
Gln Leu Gln Gln Leu Gln Met Gln Leu Gln Leu Glu Arg Gln His
230 235 240
Ala Gln Ala Ala Arg Gln Gln Leu Glu Thr Ala Arg Asn Ala Thr
245 250 255
Arg Arg Thr Asn Thr Ser Ser Val Thr Thr Thr Ile Thr Gln Ser
260 265 270
Thr Ala Thr Thr Asn Ile Ala Asn Thr Glu Ser Ser Gln Gln Thr
275 280 285
Leu Gln Asn Ser Gln Phe Leu Leu Thr Arg Leu Asn Asp Pro Lys
290 295 300
Met Ser Glu Thr Glu Arg Gln Ser Met Glu Ser Glu Arg Ala Asp
305 310 315
Arg Ser Leu Phe Val Gln Glu Leu Leu Leu Ser Thr Leu Val Arg
320 325 330
Glu Glu Ser Ser Ser Ser Asp Glu Asp Asp Arg Gly Glu Met Ala
335 340 345
Asp Phe Gly Ala Met Gly Cys Val Asp Ile Met Pro Leu Asp Val
350 355 360
Ala Leu Glu Asn Leu Asn Leu Lys Glu Ser Asn Lys Gly Asn Glu
365 370 375
Pro Pro Pro Pro Pro Leu
380

<210> 9
<211> 190
<212> PRT
<213> Homo sapiens

<220>
<221> misc_feature
<223> Incyte ID No: 2786302CD1

<400> 9
Met Lys Tyr Gly Asn Glu Ile Met Asn Lys Asp Pro Val Phe Arg
1 5 10 15
Ile Ser Pro Arg Ser Arg Glu Thr His Pro Asn Pro Glu Glu Pro
20 25 30
Glu Glu Glu Asp Glu Asp Val Gln Ala Glu Arg Val Gln Ala Ala
35 40 45
Asn Ala Leu Thr Ala Pro Asn Leu Glu Glu Glu Pro Val Ile Thr
50 55 60
Ala Ser Cys Leu His Lys Glu Tyr Tyr Glu Thr Lys Lys Ser Cys
65 70 75
Phe Ser Thr Arg Lys Lys Lys Ile Ala Ile Arg Asn Val Ser Phe
80 85 90
Cys Val Lys Lys Gly Glu Val Leu Gly Leu Leu Gly His Asn Gly
95 100 105
Ala Gly Lys Ser Thr Ser Ile Lys Met Ile Thr Gly Cys Thr Lys
110 115 120
Pro Thr Ala Gly Val Val Val Leu Gln Gly Ser Arg Ala Ser Val
125 130 135
Arg Gln Gln His Asp Asn Ser Leu Lys Phe Leu Gly Tyr Cys Pro
140 145 150
Gln Glu Asn Ser Leu Trp Pro Lys Leu Thr Met Lys Glu His Leu
155 160 165
Glu Leu Tyr Ala Ala Val Glu Arg Leu Gly Gln Lys Arg Cys Cys
170 175 180
Ser Gln Tyr Phe Thr Ile Gly Gly Arg Ser
185 190
<210> 10
<211> 297
<212> PRT
<213> Homo sapiens

<220>
<221> misc_feature
<223> Incyte ID No: 3735780CD1

<400> 10
Met Met Asp Ser Glu Ala His Glu Lys Arg Pro Pro Ile Leu Thr
1 5 10 15
Ser Ser Lys Gln Asp Ile Ser Pro His Ile Thr Asn Val Gly Glu
20 25 30
Met Lys His Tyr Leu Cys Gly Cys Cys Ala Ala Phe Asn Asn Val
35 40 45
Ala Ile Thr Phe Pro Ile Gln Lys Val Leu Phe Arg Gln Gln Leu
50 55 60
Tyr Gly Ile Lys Thr Arg Asp Ala Ile Leu Gln Leu Arg Arg Asp
65 70 75
Gly Phe Arg Asn Leu Tyr Arg Gly Ile Leu Pro Pro Leu Met Gln
80 85 90
Lys Thr Thr Thr Leu Ala Leu Met Phe Gly Leu Tyr Glu Asp Leu
95 100 105
Ser Cys Leu Leu His Lys His Val Ser Ala Pro Glu Phe Ala Thr
110 115 120
Ser Gly Val Ala Ala Val Leu Ala Gly Thr Thr Glu Ala Ile Phe
125 130 135
Thr Pro Leu Glu Arg Val Gln Thr Leu Leu Gln Asp His Lys His
140 145 150
His Asp Lys Phe Thr Asn Thr Tyr Gln Ala Phe Lys Ala Leu Lys
155 160 165
Cys His Gly Ile Gly Glu Tyr Tyr Arg Gly Leu Val Pro Ile Leu
170 175 180
Phe Arg Asn Gly Leu Ser Asn Val Leu Phe Phe Gly Leu Arg Gly
185 190 195
Pro Ile Lys Glu His Leu Pro Thr Ala Thr Thr His Ser Ala His

```
                200                 205                 210
Leu Val Asn Asp Phe Ile Cys Gly Gly Leu Leu Gly Ala Met Leu
                215                 220                 225
Gly Phe Leu Phe Phe Pro Ile Asn Val Val Lys Thr Arg Ile Gln
                230                 235                 240
Ser Gln Ile Gly Gly Glu Phe Gln Ser Phe Pro Lys Val Phe Gln
                245                 250                 255
Lys Ile Trp Leu Glu Arg Asp Arg Lys Leu Ile Asn Leu Phe Arg
                260                 265                 270
Gly Ala His Leu Asn Tyr His Arg Ser Leu Ile Ser Trp Gly Ile
                275                 280                 285
Ile Asn Ala Thr Tyr Glu Phe Leu Leu Lys Val Ile
                290                 295
<210> 11
<211> 89
<212> PRT
<213> Homo sapiens

<220>
<221> misc_feature
<223> Incyte ID No: 039026CD1

<400> 11
Met Ala Ala Gln Ile Pro Glu Ser Asp Gln Ile Lys Gln Phe Lys
  1                 5                  10                  15
Glu Phe Leu Gly Thr Tyr Asn Lys Leu Thr Glu Thr Cys Phe Leu
                 20                  25                  30
Asp Cys Val Lys Asp Phe Thr Thr Arg Glu Val Lys Pro Glu Glu
                 35                  40                  45
Thr Thr Cys Ser Glu His Cys Leu Gln Lys Tyr Leu Lys Met Thr
                 50                  55                  60
Gln Arg Ile Ser Met Arg Phe Gln Glu Tyr His Ile Gln Gln Asn
                 65                  70                  75
Glu Ala Leu Ala Ala Lys Ala Gly Leu Leu Gly Gln Pro Arg
                 80                  85
<210> 12
<211> 115
<212> PRT
<213> Homo sapiens

<220>
<221> misc_feature
<223> Incyte ID No: 260607CD1

<400> 12
Met Ala Leu Ile Pro Ser Arg Val Trp Leu Pro Phe Ala Val Trp
  1                 5                  10                  15
Val Val Asp Ser Ala Pro Val Arg Gly Leu Val Arg Arg Glu Pro
                 20                  25                  30
Phe Leu Arg Thr Gly Ser Phe Ile Ala Leu Phe Tyr Phe Pro Pro
                 35                  40                  45
Leu Leu Pro Val Leu Ile Asn Leu Phe Ser Phe Phe Leu Thr Pro
                 50                  55                  60
Ser Phe Trp Arg Gln Leu Gly Ala Ile Leu Val Tyr Ala Ser Leu
                 65                  70                  75
Leu Ala Glu Lys Thr Pro Phe Lys Thr Gln Arg Thr Leu Glu Gly
                 80                  85                  90
Asp Ala Leu Val Gly Ser Val Ser Ile Phe Leu Cys Ala Lys Asp
                 95                 100                 105
Arg Gln Thr Glu Ala Glu Arg Gly Cys Ser
                110                 115
<210> 13
<211> 675
<212> PRT
<213> Homo sapiens

<220>
<221> misc_feature
```

<223> Incyte ID No: 1429651CD1

<400> 13

```
Met Glu Ser Gly Thr Ser Ser Pro Gln Pro Pro Gln Leu Asp Pro
  1               5                  10                  15
Leu Asp Ala Phe Pro Gln Lys Gly Leu Glu Pro Gly Asp Ile Ala
             20                  25                  30
Val Leu Val Leu Tyr Phe Leu Phe Val Leu Ala Val Gly Leu Trp
         35                  40                  45
Ser Thr Val Lys Thr Lys Arg Asp Thr Val Lys Gly Tyr Phe Leu
     50                  55                  60
Ala Gly Gly Asp Met Val Trp Trp Pro Val Gly Ala Ser Leu Phe
 65                  70                  75
Ala Ser Asn Val Gly Ser Gly His Phe Ile Gly Leu Ala Gly Ser
             80                  85                  90
Gly Ala Ala Thr Gly Ile Ser Val Ser Ala Tyr Glu Leu Asn Gly
         95                 100                 105
Leu Phe Ser Val Leu Met Leu Ala Trp Ile Phe Leu Pro Ile Tyr
    110                 115                 120
Ile Ala Gly Gln Val Thr Thr Met Pro Glu Tyr Leu Arg Lys Arg
    125                 130                 135
Phe Gly Gly Ile Arg Ile Pro Ile Ile Leu Ala Val Leu Tyr Leu
    140                 145                 150
Phe Ile Tyr Ile Phe Thr Lys Ile Ser Val Asp Met Tyr Ala Gly
    155                 160                 165
Ala Ile Phe Ile Gln Gln Ser Leu His Leu Asp Leu Tyr Leu Ala
    170                 175                 180
Ile Val Gly Leu Leu Ala Ile Thr Ala Val Tyr Thr Val Ala Gly
    185                 190                 195
Gly Leu Ala Ala Val Ile Tyr Thr Asp Ala Leu Gln Thr Leu Ile
    200                 205                 210
Met Leu Ile Gly Ala Leu Thr Leu Met Gly Tyr Ser Phe Ala Ala
    215                 220                 225
Val Gly Gly Met Glu Gly Leu Lys Glu Lys Tyr Phe Leu Ala Leu
    230                 235                 240
Ala Ser Asn Arg Ser Glu Asn Ser Ser Cys Gly Leu Pro Arg Glu
    245                 250                 255
Asp Ala Phe His Ile Phe Arg Asp Pro Leu Thr Ser Asp Leu Pro
    260                 265                 270
Trp Pro Gly Val Leu Phe Gly Met Ser Ile Pro Ser Leu Trp Tyr
    275                 280                 285
Trp Cys Thr Asp Gln Val Ile Val Gln Arg Thr Leu Ala Ala Lys
    290                 295                 300
Asn Leu Ser His Ala Lys Gly Gly Ala Leu Met Ala Ala Tyr Leu
    305                 310                 315
Lys Val Leu Pro Leu Phe Ile Met Val Phe Pro Gly Met Val Ser
    320                 325                 330
Arg Ile Leu Phe Pro Asp Gln Val Ala Cys Ala Asp Pro Glu Ile
    335                 340                 345
Cys Gln Lys Ile Cys Ser Asn Pro Ser Gly Cys Ser Asp Ile Ala
    350                 355                 360
Tyr Pro Lys Leu Val Leu Glu Leu Leu Pro Thr Gly Leu Arg Gly
    365                 370                 375
Leu Met Met Ala Val Met Val Ala Ala Leu Met Ser Ser Leu Thr
    380                 385                 390
Ser Ile Phe Asn Ser Ala Ser Thr Ile Phe Thr Met Asp Leu Trp
    395                 400                 405
Asn His Leu Arg Pro Arg Ala Ser Glu Lys Glu Leu Met Ile Val
    410                 415                 420
Gly Arg Val Phe Val Leu Leu Leu Val Leu Val Ser Ile Leu Trp
    425                 430                 435
Ile Pro Val Val Gln Ala Ser Gln Gly Gly Gln Leu Phe Ile Tyr
    440                 445                 450
Ile Gln Ser Ile Ser Ser Tyr Leu Gln Pro Pro Val Ala Val Val
    455                 460                 465
Phe Ile Met Gly Cys Phe Trp Lys Arg Thr Asn Glu Lys Gly Ala
    470                 475                 480
Phe Trp Gly Leu Ile Ser Gly Leu Leu Leu Gly Leu Val Arg Leu
```

```
                485                 490                 495
Val Leu Asp Phe Ile Tyr Val Gln Pro Arg Cys Asp Gln Pro Asp
                500                 505                 510
Glu Arg Pro Val Leu Val Lys Ser Ile His Tyr Leu Tyr Phe Ser
                515                 520                 525
Met Ile Leu Ser Thr Val Thr Leu Ile Thr Val Ser Thr Val Ser
                530                 535                 540
Trp Phe Thr Glu Pro Pro Ser Lys Glu Met Val Ser His Leu Thr
                545                 550                 555
Trp Phe Thr Arg His Asp Pro Val Val Gln Lys Glu Gln Ala Pro
                560                 565                 570
Pro Ala Ala Pro Leu Ser Leu Thr Leu Ser Gln Asn Gly Met Pro
                575                 580                 585
Glu Ala Ser Ser Ser Ser Ser Val Gln Phe Glu Met Val Gln Glu
                590                 595                 600
Asn Thr Ser Lys Thr His Ser Cys Asp Met Thr Pro Lys Gln Ser
                605                 610                 615
Lys Val Val Lys Ala Ile Leu Trp Leu Cys Gly Ile Gln Glu Lys
                620                 625                 630
Gly Lys Glu Glu Leu Pro Ala Arg Ala Glu Ala Ile Ile Val Ser
                635                 640                 645
Leu Glu Glu Asn Pro Leu Val Lys Thr Leu Leu Asp Val Asn Leu
                650                 655                 660
Ile Phe Cys Val Ser Cys Ala Ile Phe Ile Trp Gly Tyr Phe Ala
                665                 670                 675

<210> 14
<211> 320
<212> PRT
<213> Homo sapiens

<220>
<221> misc_feature
<223> Incyte ID No: 2069971CD1

<400> 14
Met Tyr His Cys His Ser Gly Ser Lys Pro Thr Glu Lys Gly Ala
  1                 5                  10                  15
Asn Glu Tyr Ala Tyr Ala Lys Trp Lys Leu Cys Ser Ala Ser Ala
                 20                  25                  30
Ile Cys Phe Ile Phe Met Ile Ala Glu Val Val Gly Gly His Ile
                 35                  40                  45
Ala Gly Ser Leu Ala Val Val Thr Asp Ala Ala His Leu Leu Ile
                 50                  55                  60
Asp Leu Thr Ser Phe Leu Leu Ser Leu Phe Ser Leu Trp Leu Ser
                 65                  70                  75
Ser Lys Pro Pro Ser Lys Arg Leu Thr Phe Gly Trp His Arg Ala
                 80                  85                  90
Glu Ile Leu Gly Ala Leu Leu Ser Ile Leu Cys Ile Trp Val Val
                 95                 100                 105
Thr Gly Val Leu Val Tyr Leu Ala Cys Glu Arg Leu Leu Tyr Pro
                110                 115                 120
Asp Tyr Gln Ile Gln Ala Thr Val Met Ile Ile Val Ser Ser Cys
                125                 130                 135
Ala Val Ala Ala Asn Ile Val Leu Thr Val Val Leu His Gln Arg
                140                 145                 150
Cys Leu Gly His Asn His Lys Glu Val Gln Ala Asn Ala Ser Val
                155                 160                 165
Arg Ala Ala Phe Val His Ala Leu Gly Asp Leu Phe Gln Ser Ile
                170                 175                 180
Ser Val Leu Ile Ser Ala Leu Ile Ile Tyr Phe Lys Pro Glu Tyr
                185                 190                 195
Lys Ile Ala Asp Pro Ile Cys Thr Phe Ile Phe Ser Ile Leu Val
                200                 205                 210
Leu Ala Ser Thr Ile Thr Ile Leu Lys Asp Phe Ser Ile Leu Leu
                215                 220                 225
Met Glu Gly Val Pro Lys Ser Leu Asn Tyr Ser Gly Val Lys Glu
                230                 235                 240
```

Leu Ile Leu Ala Val Asp Gly Val Leu Ser Val His Ser Leu His
245 250 255
Ile Trp Ser Leu Thr Met Asn Gln Val Ile Leu Ser Ala His Val
260 265 270
Ala Thr Ala Ala Ser Arg Asp Ser Gln Val Val Arg Arg Glu Ile
275 280 285
Ala Lys Ala Leu Ser Lys Ser Phe Thr Met His Ser Leu Thr Ile
290 295 300
Gln Met Glu Ser Pro Val Asp Gln Asp Pro Asp Cys Leu Phe Cys
305 310 315
Glu Asp Pro Cys Asp
320

<210> 15
<211> 462
<212> PRT
<213> Homo sapiens

<220>
<221> misc_feature
<223> Incyte ID No: 2329339CD1

<400> 15
Met Ala Glu Glu Gln Glu Phe Thr Gln Leu Cys Lys Leu Pro Ala
1 5 10 15
Gln Pro Ser His Pro His Cys Val Asn Asn Thr Tyr Arg Ser Ala
20 25 30
Gln His Ser Gln Ala Leu Leu Arg Gly Leu Leu Ala Leu Arg Asp
35 40 45
Ser Gly Ile Leu Phe Asp Val Val Leu Val Val Glu Gly Arg His
50 55 60
Ile Glu Ala His Arg Ile Leu Leu Ala Ala Ser Cys Asp Tyr Phe
65 70 75
Arg Gly Met Phe Ala Gly Gly Leu Lys Glu Met Glu Gln Glu Glu
80 85 90
Val Leu Ile His Gly Val Ser Tyr Asn Ala Met Cys Gln Ile Leu
95 100 105
His Phe Ile Tyr Thr Ser Glu Leu Glu Leu Ser Leu Ser Asn Val
110 115 120
Gln Glu Thr Leu Val Ala Ala Cys Gln Leu Gln Ile Pro Glu Ile
125 130 135
Ile His Phe Cys Cys Asp Phe Leu Met Ser Trp Val Asp Glu Glu
140 145 150
Asn Ile Leu Asp Val Tyr Arg Leu Ala Glu Leu Phe Asp Leu Ser
155 160 165
Arg Leu Thr Glu Gln Leu Asp Thr Tyr Ile Leu Lys Asn Phe Val
170 175 180
Ala Phe Ser Arg Thr Asp Lys Tyr Arg Gln Leu Pro Leu Glu Lys
185 190 195
Val Tyr Ser Leu Leu Ser Ser Asn Arg Leu Glu Val Ser Cys Glu
200 205 210
Thr Glu Val Tyr Glu Gly Ala Leu Leu Tyr His Tyr Ser Leu Glu
215 220 225
Gln Val Gln Ala Asp Gln Ile Ser Leu His Glu Pro Pro Lys Leu
230 235 240
Leu Glu Thr Val Arg Phe Pro Leu Met Glu Ala Glu Val Leu Gln
245 250 255
Arg Leu His Asp Lys Leu Asp Pro Ser Pro Leu Arg Asp Thr Val
260 265 270
Ala Ser Gly Leu Met Tyr His Arg Asn Glu Ser Leu Gln Pro Ser
275 280 285
Leu Gln Ser Pro Gln Thr Glu Leu Arg Ser Asp Phe Gln Cys Val
290 295 300
Val Gly Phe Gly Gly Ile His Ser Thr Pro Ser Thr Val Leu Ser
305 310 315
Asp Gln Ala Lys Tyr Leu Asn Pro Leu Leu Gly Glu Trp Lys His
320 325 330
Phe Thr Ala Ser Leu Ala Pro Arg Met Ser Asn Gln Gly Ile Ala
335 340 345

```
Val Leu Asn Asn Phe Val Tyr Leu Ile Gly Gly Asp Asn Asn Val
                350                 355                 360
Gln Gly Phe Arg Ala Glu Ser Arg Cys Trp Arg Tyr Asp Pro Arg
                365                 370                 375
His Asn Arg Trp Phe Gln Ile Gln Ser Leu Gln Gln Glu His Ala
                380                 385                 390
Asp Leu Ser Val Cys Val Val Gly Arg Tyr Ile Tyr Ala Val Ala
                395                 400                 405
Gly Arg Asp Tyr His Asn Asp Leu Asn Ala Val Glu Arg Tyr Asp
                410                 415                 420
Pro Ala Thr Asn Ser Trp Ala Tyr Val Ala Pro Leu Lys Arg Glu
                425                 430                 435
Val Tyr Ala His Ala Gly Ala Thr Leu Glu Gly Lys Met Tyr Ile
                440                 445                 450
Thr Cys Gly Arg Lys Leu Ile Pro Phe Ser Glu Gly
                455                 460
<210> 16
<211> 98
<212> PRT
<213> Homo sapiens

<220>
<221> misc_feature
<223> Incyte ID No: 2540219CD1

<400> 16
Met Arg Ala Cys Ala Val Trp Leu Ala Gly Gly Met Ala Gly Ala
  1                 5                  10                  15
Ile Ser Trp Gly Thr Ala Thr Pro Met Asp Val Val Lys Ser Arg
                 20                  25                  30
Leu Gln Ala Asp Gly Val Tyr Leu Asn Lys Tyr Lys Gly Val Leu
                 35                  40                  45
Asp Cys Ile Ser Gln Ser Tyr Gln Lys Glu Gly Leu Lys Val Phe
                 50                  55                  60
Phe Arg Gly Ile Thr Val Asn Ala Val Arg Gly Phe Pro Met Ser
                 65                  70                  75
Ala Ala Met Phe Leu Gly Tyr Glu Leu Ser Leu Gln Ala Ile Arg
                 80                  85                  90
Gly Asp His Ala Val Thr Ser Pro
                 95
<210> 17
<211> 748
<212> PRT
<213> Homo sapiens

<220>
<221> misc_feature
<223> Incyte ID No: 2722462CD1

<400> 17
Met Asn Tyr Gln Glu Ala Ala Ile Tyr Leu Gln Glu Gly Glu Asn
  1                 5                  10                  15
Asn Asp Lys Phe Phe Thr His Pro Lys Asp Ala Lys Ala Leu Ala
                 20                  25                  30
Ala Tyr Leu Phe Ala His Asn His Leu Phe Tyr Leu Met Glu Leu
                 35                  40                  45
Ala Thr Ala Leu Leu Leu Leu Leu Leu Ser Leu Cys Glu Ala Pro
                 50                  55                  60
Ala Val Pro Ala Leu Arg Leu Gly Ile Tyr Val His Ala Thr Leu
                 65                  70                  75
Glu Leu Phe Ala Leu Met Val Val Val Phe Glu Leu Cys Met Lys
                 80                  85                  90
Leu Arg Trp Leu Gly Leu His Thr Phe Ile Arg His Lys Arg Thr
                 95                 100                 105
Met Val Lys Thr Ser Val Leu Val Val Gln Phe Val Glu Ala Ile
                110                 115                 120
Val Val Leu Val Arg Gln Met Ser His Val Arg Val Thr Arg Ala
                125                 130                 135
```

```
Leu Arg Cys Ile Phe Leu Val Asp Cys Arg Tyr Cys Gly Gly Val
                140                 145                 150
Arg Arg Asn Leu Arg Gln Ile Phe Gln Ser Leu Pro Pro Phe Met
            155                 160                 165
Asp Ile Leu Leu Leu Leu Leu Phe Phe Met Ile Ile Phe Ala Ile
        170                 175                 180
Leu Gly Phe Tyr Leu Phe Ser Pro Asn Pro Ser Asp Pro Tyr Phe
    185                 190                 195
Ser Thr Leu Glu Asn Ser Ile Val Ser Leu Phe Val Leu Leu Thr
200                 205                 210
Thr Ala Asn Phe Pro Asp Val Met Met Pro Ser Tyr Ser Arg Asn
215                 220                 225
Pro Trp Ser Cys Val Phe Phe Ile Val Tyr Leu Ser Ile Glu Leu
230                 235                 240
Tyr Phe Ile Met Asn Leu Leu Leu Ala Val Val Phe Asp Thr Phe
245                 250                 255
Asn Asp Ile Glu Lys Arg Lys Phe Lys Ser Leu Leu Leu His Lys
260                 265                 270
Arg Thr Ala Ile Gln His Ala Tyr Arg Leu Leu Ile Ser Gln Arg
275                 280                 285
Arg Pro Ala Gly Ile Ser Tyr Arg Gln Phe Glu Gly Leu Met Arg
290                 295                 300
Phe Tyr Lys Pro Arg Met Ser Ala Arg Glu Arg Tyr Leu Thr Phe
305                 310                 315
Lys Ala Leu Asn Gln Asn Asn Thr Pro Leu Leu Ser Leu Lys Asp
320                 325                 330
Phe Tyr Asp Ile Tyr Glu Val Ala Ala Leu Lys Trp Lys Ala Lys
335                 340                 345
Lys Asn Arg Glu His Trp Phe Asp Glu Leu Pro Arg Thr Ala Leu
350                 355                 360
Leu Ile Phe Lys Gly Ile Asn Ile Leu Val Lys Ser Lys Ala Phe
365                 370                 375
Gln Tyr Phe Met Tyr Leu Val Val Ala Val Asn Gly Val Trp Ile
380                 385                 390
Leu Val Glu Thr Phe Met Leu Lys Gly Gly Asn Phe Phe Ser Lys
395                 400                 405
His Val Pro Trp Ser Tyr Leu Val Phe Leu Thr Ile Tyr Gly Val
410                 415                 420
Glu Leu Phe Leu Lys Val Ala Gly Leu Gly Pro Val Glu Tyr Leu
425                 430                 435
Ser Ser Gly Trp Asn Leu Phe Asp Phe Ser Val Thr Val Phe Ala
440                 445                 450
Phe Leu Gly Leu Leu Ala Leu Ala Leu Asn Met Glu Pro Phe Tyr
455                 460                 465
Phe Ile Val Val Leu Arg Pro Leu Gln Leu Leu Arg Leu Phe Lys
470                 475                 480
Leu Lys Glu Arg Tyr Arg Asn Val Leu Asp Thr Met Phe Glu Leu
485                 490                 495
Leu Pro Arg Met Ala Ser Leu Gly Leu Thr Leu Leu Ile Phe Tyr
500                 505                 510
Tyr Ser Phe Ala Ile Val Gly Met Glu Phe Phe Cys Gly Ile Val
515                 520                 525
Phe Pro Asn Cys Cys Asn Thr Ser Thr Val Ala Asp Ala Tyr Arg
530                 535                 540
Trp Arg Asn His Thr Val Gly Asn Arg Thr Val Val Glu Glu Gly
545                 550                 555
Tyr Tyr Tyr Leu Asn Asn Phe Asp Asn Ile Leu Asn Ser Phe Val
560                 565                 570
Thr Leu Phe Glu Leu Thr Val Val Asn Asn Trp Tyr Ile Ile Met
575                 580                 585
Glu Gly Val Thr Ser Gln Thr Ser His Trp Ser Arg Leu Tyr Phe
590                 595                 600
Met Thr Phe Tyr Ile Val Thr Met Val Val Met Thr Ile Ile Val
605                 610                 615
Ala Phe Ile Leu Glu Ala Phe Val Phe Arg Met Asn Tyr Ser Arg
620                 625                 630
Lys Asn Gln Asp Ser Glu Val Asp Gly Gly Ile Thr Leu Glu Lys
635                 640                 645
```

Glu Ile Ser Lys Glu Glu Leu Val Ala Val Leu Glu Leu Tyr Arg
650 655 660
Glu Ala Arg Gly Ala Ser Ser Asp Val Thr Arg Leu Leu Glu Thr
665 670 675
Leu Ser Gln Met Glu Arg Tyr Gln Gln His Ser Met Val Phe Leu
680 685 690
Gly Arg Arg Ser Arg Thr Lys Ser Asp Leu Ser Leu Lys Met Tyr
695 700 705
Gln Glu Glu Ile Gln Glu Trp Tyr Glu Glu His Ala Arg Glu Gln
710 715 720
Glu Gln Gln Arg Gln Leu Ser Ser Ser Ala Ala Pro Ala Ala Gln
725 730 735
Gln Pro Pro Gly Ser Arg Gln Arg Ser Gln Thr Val Thr
740 745

<210> 18
<211> 507
<212> PRT
<213> Homo sapiens

<220>
<221> misc_feature
<223> Incyte ID No: 2739264CD1

<400> 18
Met Ala Phe Asn Phe Gly Ala Pro Ser Gly Thr Ser Gly Thr Ala
1 5 10 15
Ala Ala Thr Ala Ala Pro Ala Gly Gly Phe Gly Gly Phe Gly Thr
20 25 30
Thr Ser Thr Thr Ala Gly Ser Ala Phe Ser Phe Ser Ala Pro Thr
35 40 45
Asn Thr Gly Thr Thr Gly Leu Phe Gly Gly Thr Gln Asn Lys Gly
50 55 60
Phe Gly Phe Gly Thr Gly Phe Gly Thr Thr Thr Gly Thr Ser Thr
65 70 75
Gly Leu Gly Thr Gly Leu Gly Thr Gly Leu Gly Phe Gly Gly Phe
80 85 90
Asn Thr Gln Gln Gln Gln Gln Thr Thr Leu Gly Gly Leu Phe Ser
95 100 105
Gln Pro Thr Gln Ala Pro Thr Gln Ser Asn Gln Leu Ile Asn Thr
110 115 120
Ala Ser Ala Leu Ser Ala Pro Thr Leu Leu Gly Asp Glu Arg Asp
125 130 135
Ala Ile Leu Ala Lys Trp Asn Gln Leu Gln Ala Phe Trp Gly Thr
140 145 150
Gly Lys Gly Tyr Phe Asn Asn Asn Ile Pro Pro Val Glu Phe Thr
155 160 165
Gln Glu Asn Pro Phe Cys Arg Phe Lys Ala Val Gly Tyr Ser Cys
170 175 180
Met Pro Ser Asn Lys Asp Glu Asp Gly Leu Val Val Leu Val Phe
185 190 195
Asn Lys Lys Glu Thr Glu Ile Arg Ser Gln Gln Gln Gln Leu Val
200 205 210
Glu Ser Leu His Lys Val Leu Gly Gly Asn Gln Thr Leu Thr Val
215 220 225
Asn Val Glu Gly Thr Lys Thr Leu Pro Asp Asp Gln Thr Glu Val
230 235 240
Val Ile Tyr Val Val Glu Arg Ser Pro Asn Gly Thr Ser Arg Arg
245 250 255
Val Pro Ala Thr Thr Leu Tyr Ala His Phe Glu Gln Ala Asn Ile
260 265 270
Lys Thr Gln Leu Gln Gln Leu Gly Val Thr Leu Ser Met Thr Arg
275 280 285
Thr Glu Leu Ser Pro Ala Gln Ile Lys Gln Leu Leu Gln Asn Pro
290 295 300
Pro Ala Gly Val Asp Pro Ile Ile Trp Glu Gln Ala Lys Val Asp
305 310 315
Asn Pro Asp Ser Glu Lys Leu Ile Pro Val Pro Met Val Gly Phe
320 325 330

```
Lys Glu Leu Leu Arg Arg Leu Lys Val Gln Asp Gln Met Thr Lys
                335                 340                 345
Gln His Gln Thr Arg Leu Asp Ile Ile Ser Glu Asp Ile Ser Glu
                350                 355                 360
Leu Gln Lys Asn Gln Thr Thr Ser Val Ala Lys Ile Ala Gln Tyr
                365                 370                 375
Lys Arg Lys Leu Met Asp Leu Ser His Arg Thr Leu Gln Val Leu
                380                 385                 390
Ile Lys Gln Glu Ile Gln Arg Lys Ser Gly Tyr Ala Ile Gln Ala
                395                 400                 405
Asp Glu Glu Gln Leu Arg Val Gln Leu Asp Thr Ile Gln Gly Glu
                410                 415                 420
Leu Asn Ala Pro Thr Gln Phe Lys Gly Arg Leu Asn Glu Leu Met
                425                 430                 435
Ser Gln Ile Arg Met Gln Asn His Phe Gly Ala Val Arg Ser Glu
                440                 445                 450
Glu Arg Tyr Tyr Ile Asp Ala Asp Leu Leu Arg Glu Ile Lys Gln
                455                 460                 465
His Leu Lys Gln Gln Gln Glu Gly Leu Ser His Leu Ile Ser Ile
                470                 475                 480
Ile Lys Asp Asp Leu Glu Asp Ile Lys Leu Val Glu His Gly Leu
                485                 490                 495
Asn Glu Thr Ile His Ile Arg Gly Gly Val Phe Ser
                500                 505
<210> 19
<211> 592
<212> PRT
<213> Homo sapiens

<220>
<221> misc_feature
<223> Incyte ID No: 2758310CD1

<400> 19
Met Trp Phe Cys Gly Gln Ser Thr Pro Phe Gly Cys Glu Leu His
  1                 5                  10                  15
Asp Thr Cys Val Gln Leu Cys His Phe His Ser Ala Leu Leu His
                 20                  25                  30
Arg Arg Gln Lys Pro Trp Pro Ser Pro Ala Val Phe Phe Arg Arg
                 35                  40                  45
Asn Val Arg Gly Leu Pro Pro Arg Phe Ser Ser Pro Thr Pro Leu
                 50                  55                  60
Trp Arg Lys Val Leu Ser Thr Ala Val Val Gly Ala Pro Leu Leu
                 65                  70                  75
Leu Gly Ala Arg Tyr Val Met Ala Glu Ala Arg Glu Lys Arg Arg
                 80                  85                  90
Met Arg Leu Val Val Asp Gly Met Gly Arg Phe Gly Arg Ser Leu
                 95                 100                 105
Lys Val Gly Leu Gln Ile Ser Leu Asp Tyr Trp Trp Cys Thr Asn
                110                 115                 120
Val Val Leu Arg Gly Trp Lys Ser Pro Gly Tyr Leu Glu Val Met
                125                 130                 135
Ser Ala Cys His Gln Arg Ala Ala Asp Ala Leu Val Ala Gly Ala
                140                 145                 150
Ile Ser Asn Gly Gly Leu Tyr Val Lys Leu Gly Gln Gly Leu Cys
                155                 160                 165
Ser Phe Asn His Leu Leu Pro Pro Glu Tyr Thr Arg Thr Leu Arg
                170                 175                 180
Val Leu Glu Asp Arg Ala Leu Lys Arg Gly Phe Gln Glu Val Asp
                185                 190                 195
Glu Leu Phe Leu Glu Asp Phe Gln Ala Leu Pro His Glu Leu Phe
                200                 205                 210
Gln Glu Phe Asp Tyr Gln Pro Ile Ala Ala Ala Ser Leu Ala Gln
                215                 220                 225
Val His Arg Ala Lys Leu His Asp Gly Thr Ser Val Ala Val Lys
                230                 235                 240
Val Gln Tyr Ile Asp Leu Arg Asp Arg Phe Asp Gly Asp Ile His
                245                 250                 255
```

```
Thr Leu Glu Leu Leu Leu Arg Leu Val Glu Val Met His Pro Ser
                260                 265                 270
Phe Gly Phe Ser Trp Val Leu Gln Asp Leu Lys Gly Thr Leu Ala
                275                 280                 285
Gln Glu Leu Asp Phe Glu Asn Glu Gly Arg Asn Ala Glu Arg Cys
                290                 295                 300
Ala Arg Glu Leu Ala His Phe Pro Tyr Val Val Val Pro Arg Val
                305                 310                 315
His Trp Asp Lys Ser Ser Lys Arg Val Leu Thr Ala Asp Phe Cys
                320                 325                 330
Ala Gly Cys Lys Val Asn Asp Val Glu Ala Ile Arg Ser Gln Gly
                335                 340                 345
Leu Ala Val His Asp Ile Ala Glu Lys Leu Ile Lys Ala Phe Ala
                350                 355                 360
Glu Gln Ile Phe Tyr Thr Gly Phe Ile His Ser Asp Pro His Pro
                365                 370                 375
Gly Asn Val Leu Val Arg Lys Gly Pro Asp Gly Lys Ala Glu Leu
                380                 385                 390
Val Leu Leu Asp His Gly Leu Tyr Gln Phe Leu Glu Glu Lys Asp
                395                 400                 405
Arg Ala Ala Leu Cys Gln Leu Trp Arg Ala Ile Ile Leu Arg Asp
                410                 415                 420
Asp Ala Ala Met Arg Ala His Ala Ala Ala Leu Gly Val Gln Asp
                425                 430                 435
Tyr Leu Leu Phe Ala Glu Met Leu Met Gln Arg Pro Val Arg Leu
                440                 445                 450
Gly Gln Leu Trp Gly Ser His Leu Leu Ser Arg Glu Glu Ala Ala
                455                 460                 465
Tyr Met Val Asp Met Ala Arg Glu Arg Phe Glu Ala Val Met Ala
                470                 475                 480
Val Leu Arg Glu Leu Pro Arg Pro Met Leu Leu Val Leu Arg Asn
                485                 490                 495
Ile Asn Thr Val Arg Ala Ile Asn Val Ala Leu Gly Ala Pro Val
                500                 505                 510
Asp Arg Tyr Phe Leu Met Ala Lys Arg Ala Val Arg Gly Trp Ser
                515                 520                 525
Arg Leu Ala Gly Ala Thr Tyr Arg Gly Val Tyr Gly Thr Ser Leu
                530                 535                 540
Leu Arg His Ala Lys Val Val Trp Glu Met Leu Lys Phe Glu Val
                545                 550                 555
Ala Leu Arg Leu Glu Thr Leu Ala Met Arg Leu Thr Ala Leu Leu
                560                 565                 570
Ala Arg Ala Leu Val His Leu Ser Leu Val Pro Pro Ala Glu Glu
                575                 580                 585
Leu Tyr Gln Tyr Leu Glu Thr
                590
<210> 20
<211> 841
<212> PRT
<213> Homo sapiens

<220>
<221> misc_feature
<223> Incyte ID No: 2762348CD1

<400> 20
Met Ala Ser Val Phe Arg Ser Glu Glu Met Cys Leu Ser Gln Leu
  1                 5                  10                  15
Phe Leu Gln Val Glu Ala Ala Tyr Cys Cys Val Ala Glu Leu Gly
                 20                  25                  30
Glu Leu Gly Leu Val Gln Phe Lys Asp Leu Asn Met Asn Val Asn
                 35                  40                  45
Ser Phe Gln Arg Lys Phe Val Asn Glu Val Arg Arg Cys Glu Ser
                 50                  55                  60
Leu Glu Arg Ile Leu Arg Phe Leu Glu Asp Glu Met Gln Asn Glu
                 65                  70                  75
Ile Val Val Gln Leu Leu Glu Lys Ser Pro Leu Thr Pro Leu Pro
                 80                  85                  90
```

Arg Glu Met Ile Thr Leu Glu Thr Val Leu Glu Lys Leu Glu Gly
95 100 105
Glu Leu Gln Glu Ala Asn Gln Asn Gln Gln Ala Leu Lys Gln Ser
110 115 120
Phe Leu Glu Leu Thr Glu Leu Lys Tyr Leu Leu Lys Lys Thr Gln
125 130 135
Asp Phe Phe Glu Thr Glu Thr Asn Leu Ala Asp Asp Phe Phe Thr
140 145 150
Glu Asp Thr Ser Gly Leu Leu Glu Leu Lys Ala Val Pro Ala Tyr
155 160 165
Met Thr Gly Lys Leu Gly Phe Ile Ala Gly Cys Asp Pro Thr Gly
170 175 180
Lys Arg Met Ala Ser Phe Glu Arg Leu Leu Trp Arg Val Cys Arg
185 190 195
Gly Asn Val Tyr Leu Lys Phe Ser Glu Met Asp Ala Pro Leu Glu
200 205 210
Asp Pro Val Thr Lys Glu Glu Ile Gln Lys His Ile Phe Ile Ile
215 220 225
Phe Tyr Gln Gly Glu Gln Leu Arg Gln Lys Ile Lys Lys Ile Cys
230 235 240
Asp Gly Phe Arg Ala Thr Val Tyr Pro Cys Pro Glu Pro Ala Val
245 250 255
Glu Arg Arg Glu Met Leu Glu Ser Val Asn Val Arg Leu Glu Asp
260 265 270
Leu Ile Thr Val Ile Thr Gln Thr Glu Ser His Arg Gln Arg Leu
275 280 285
Leu Gln Glu Ala Ala Ala Asn Trp His Ser Trp Leu Ile Lys Val
290 295 300
Gln Lys Met Lys Ala Val Tyr His Ile Leu Asn Met Cys Asn Ile
305 310 315
Asp Val Thr Gln Gln Cys Val Ile Ala Glu Ile Trp Phe Pro Val
320 325 330
Ala Asp Ala Thr Arg Ile Lys Arg Ala Leu Glu Gln Gly Met Glu
335 340 345
Leu Ser Gly Ser Ser Met Ala Pro Ile Met Thr Thr Val Gln Ser
350 355 360
Lys Thr Ala Pro Pro Thr Phe Asn Arg Thr Asn Lys Phe Thr Ala
365 370 375
Gly Phe Gln Asn Ile Val Asp Ala Tyr Gly Val Gly Ser Tyr Arg
380 385 390
Glu Ile Asn Pro Ala Pro Tyr Thr Ile Ile Thr Phe Pro Phe Leu
395 400 405
Phe Ala Val Met Phe Gly Asp Cys Gly His Gly Thr Val Met Leu
410 415 420
Leu Ala Ala Leu Trp Met Ile Leu Asn Glu Arg Arg Leu Leu Ser
425 430 435
Gln Lys Thr Asp Asn Glu Ile Trp Asn Thr Phe Phe His Gly Arg
440 445 450
Tyr Leu Ile Leu Leu Met Gly Ile Phe Ser Ile Tyr Thr Gly Leu
455 460 465
Ile Tyr Asn Asp Cys Phe Ser Lys Ser Leu Asn Ile Phe Gly Ser
470 475 480
Ser Trp Ser Val Gln Pro Met Phe Arg Asn Gly Thr Trp Asn Thr
485 490 495
His Val Met Glu Glu Ser Leu Tyr Leu Gln Leu Asp Pro Ala Ile
500 505 510
Pro Gly Val Tyr Phe Gly Asn Pro Tyr Pro Phe Gly Ile Asp Pro
515 520 525
Ile Trp Asn Leu Ala Ser Asn Lys Leu Thr Phe Leu Asn Ser Tyr
530 535 540
Lys Met Lys Met Ser Val Ile Leu Gly Ile Val Gln Met Val Phe
545 550 555
Gly Val Ile Leu Ser Leu Phe Asn His Ile Tyr Phe Arg Arg Thr
560 565 570
Leu Asn Ile Ile Leu Gln Phe Ile Pro Glu Met Ile Phe Ile Leu
575 580 585
Cys Leu Phe Gly Tyr Leu Val Phe Met Ile Ile Phe Lys Trp Cys
590 595 600

```
Cys Phe Asp Val His Val Ser Gln His Ala Pro Ser Ile Leu Ile
                605                 610                 615
His Phe Ile Asn Met Phe Leu Phe Asn Tyr Ser Asp Ser Ser Asn
                620                 625                 630
Ala Pro Leu Tyr Lys His Gln Gln Glu Val Gln Ser Phe Phe Val
                635                 640                 645
Val Met Ala Leu Ile Ser Val Pro Trp Met Leu Leu Ile Lys Pro
                650                 655                 660
Phe Ile Leu Arg Ala Ser His Arg Lys Ser Gln Leu Gln Ala Ser
                665                 670                 675
Arg Ile Gln Glu Asp Ala Thr Glu Asn Ile Glu Gly Asp Ser Ser
                680                 685                 690
Ser Pro Ser Ser Arg Ser Gly Gln Arg Thr Ser Ala Asp Thr His
                695                 700                 705
Gly Ala Leu Asp Asp His Gly Glu Glu Phe Asn Phe Gly Asp Val
                710                 715                 720
Phe Val His Gln Ala Ile His Thr Ile Glu Tyr Cys Leu Gly Cys
                725                 730                 735
Ile Ser Asn Thr Ala Ser Tyr Leu Arg Leu Trp Ala Leu Ser Leu
                740                 745                 750
Ala His Ala Gln Leu Ser Glu Val Leu Trp Thr Met Val Met Asn
                755                 760                 765
Ser Gly Leu Gln Thr Arg Gly Trp Gly Gly Ile Val Gly Val Phe
                770                 775                 780
Ile Ile Phe Ala Val Phe Ala Val Leu Thr Val Ala Ile Leu Leu
                785                 790                 795
Ile Met Glu Gly Leu Ser Ala Phe Leu His Ala Leu Arg Leu His
                800                 805                 810
Trp Val Glu Phe Gln Asn Lys Phe Tyr Val Gly Asp Gly Tyr Lys
                815                 820                 825
Phe Ser Pro Phe Ser Phe Lys His Ile Leu Asp Gly Thr Ala Glu
                830                 835                 840
Glu
```

<210> 21
<211> 253
<212> PRT
<213> Homo sapiens

<220>
<221> misc_feature
<223> Incyte ID No: 3715961CD1

<400> 21

```
Met Ser Glu Cys Pro Leu Ile Leu Tyr Ile His Lys His Ile Asp
  1                 5                  10                  15
Thr Tyr Ser Gln Ser Tyr Leu Phe Asn Asp Leu Phe Tyr Pro Val
                 20                  25                  30
Tyr Ser Gly Gly Arg Met Val Thr Tyr Glu His Leu Arg Glu Val
                 35                  40                  45
Val Phe Gly Lys Ser Glu Asp Glu His Tyr Pro Leu Trp Lys Ser
                 50                  55                  60
Val Ile Gly Gly Met Met Ala Gly Val Ile Gly Gln Phe Leu Ala
                 65                  70                  75
Asn Pro Thr Asp Leu Val Lys Val Gln Met Gln Met Glu Gly Lys
                 80                  85                  90
Arg Lys Leu Glu Gly Lys Pro Leu Arg Phe Arg Gly Val His His
                 95                 100                 105
Ala Phe Ala Lys Ile Leu Ala Glu Gly Gly Ile Arg Gly Leu Trp
                110                 115                 120
Ala Gly Trp Val Pro Asn Ile Gln Arg Ala Ala Leu Val Asn Met
                125                 130                 135
Gly Asp Leu Thr Thr Tyr Asp Thr Val Lys His Tyr Leu Val Leu
                140                 145                 150
Asn Thr Pro Leu Glu Asp Asn Ile Met Thr His Gly Leu Ser Ser
                155                 160                 165
Leu Cys Ser Gly Leu Val Ala Ser Ile Leu Gly Thr Pro Ala Asp
                170                 175                 180
```

Val Ile Lys Ser Arg Ile Met Asn Gln Pro Arg Asp Lys Gln Gly
185 190 195
Arg Gly Leu Leu Tyr Lys Ser Ser Thr Asp Cys Leu Ile Gln Ala
200 205 210
Val Gln Gly Glu Gly Phe Met Ser Leu Tyr Lys Gly Phe Leu Pro
215 220 225
Ser Trp Leu Arg Met Thr Pro Trp Ser Met Val Phe Trp Leu Thr
230 235 240
Tyr Glu Lys Ile Arg Glu Met Ser Gly Val Ser Pro Phe
245 250

<210> 22
<211> 229
<212> PRT
<213> Homo sapiens

<220>
<221> misc_feature
<223> Incyte ID No: 5108194CD1

<400> 22
Met Gly Asn Gly Val Lys Glu Gly Pro Val Arg Leu His Glu Asp
1 5 10 15
Ala Glu Ala Val Leu Ser Ser Ser Val Ser Ser Lys Arg Asp His
20 25 30
Arg Gln Val Leu Ser Ser Leu Leu Ser Gly Ala Leu Ala Gly Ala
35 40 45
Leu Ala Lys Thr Ala Val Ala Pro Leu Asp Arg Thr Lys Ile Ile
50 55 60
Phe Gln Val Ser Ser Lys Arg Phe Ser Ala Lys Glu Ala Phe Arg
65 70 75
Val Leu Tyr Tyr Thr Tyr Leu Asn Glu Gly Phe Leu Ser Leu Trp
80 85 90
Arg Gly Asn Ser Ala Thr Met Val Arg Val Val Pro Tyr Ala Ala
95 100 105
Ile Gln Phe Ser Ala His Glu Glu Tyr Lys Arg Ile Leu Gly Ser
110 115 120
Tyr Tyr Gly Phe Arg Gly Glu Ala Leu Pro Pro Trp Pro Arg Leu
125 130 135
Phe Ala Gly Ala Leu Ala Gly Thr Thr Ala Ala Ser Leu Thr Tyr
140 145 150
Pro Leu Asp Leu Val Arg Ala Arg Met Ala Val Thr Pro Lys Glu
155 160 165
Met Tyr Ser Asn Ile Phe His Val Phe Ile Arg Ile Ser Arg Glu
170 175 180
Glu Gly Leu Lys Thr Leu Tyr His Gly Phe Met Pro Thr Val Leu
185 190 195
Gly Val Ile Pro Tyr Ala Gly Leu Ser Phe Phe Thr Tyr Glu Thr
200 205 210
Leu Lys Ser Leu His Arg Glu Tyr Ser Gly Arg Lys Leu Ile Pro
215 220 225
Phe Ser Glu Gly

<210> 23
<211> 170
<212> PRT
<213> Homo sapiens

<220>
<221> misc_feature
<223> Incyte ID No: 5503122CD1

<400> 23
Met Tyr Asp Asn Leu Tyr Leu His Gly Ile Glu Asp Ser Glu Ala
1 5 10 15
Gly Ser Ala Asp Ser Tyr Thr Ser Arg Pro Ser Asp Ser Asp Val
20 25 30
Ser Leu Glu Glu Asp Arg Glu Ala Ile Arg Gln Glu Arg Glu Gln
35 40 45

```
Gln Ala Ala Ile Gln Leu Glu Arg Ala Lys Ser Lys Pro Val Ala
                50                  55                  60
Phe Ala Val Lys Thr Asn Val Ser Tyr Cys Gly Ala Leu Asp Glu
                65                  70                  75
Asp Val Pro Val Pro Ser Thr Ala Ile Ser Phe Asp Ala Lys Asp
                80                  85                  90
Phe Leu His Ile Lys Glu Lys Tyr Asn Asn Asp Trp Trp Ile Gly
                95                 100                 105
Arg Leu Val Lys Glu Gly Cys Glu Ile Gly Phe Ile Pro Ser Pro
               110                 115                 120
Leu Arg Leu Glu Asn Ile Arg Ile Gln Gln Glu Gln Lys Arg Gly
               125                 130                 135
Arg Phe His Gly Gly Lys Ser Ser Gly Asn Ser Ser Ser Ser Leu
               140                 145                 150
Gly Glu Met Val Ser Gly Thr Phe Arg Ala Thr Pro Thr Ser Thr
               155                 160                 165
Gly Glu Gly Cys Ser
               170
<210> 24
<211> 655
<212> PRT
<213> Homo sapiens

<220>
<221> misc_feature
<223> Incyte ID No: 5517972CD1

<400> 24
Met Ser Ser Ser Asn Val Glu Val Phe Ile Pro Val Ser Gln Gly
  1                   5                  10                  15
Asn Thr Asn Gly Phe Pro Ala Thr Ala Ser Asn Asp Leu Lys Ala
                20                  25                  30
Phe Thr Glu Gly Ala Val Leu Ser Phe His Asn Ile Cys Tyr Arg
                35                  40                  45
Val Lys Leu Lys Ser Gly Phe Leu Pro Cys Arg Lys Pro Val Glu
                50                  55                  60
Lys Glu Ile Leu Ser Asn Ile Asn Gly Ile Met Lys Pro Gly Leu
                65                  70                  75
Asn Ala Ile Leu Gly Pro Thr Gly Gly Gly Lys Ser Ser Leu Leu
                80                  85                  90
Asp Val Leu Ala Ala Arg Lys Asp Pro Ser Gly Leu Ser Gly Asp
                95                 100                 105
Val Leu Ile Asn Gly Ala Pro Arg Pro Ala Asn Phe Lys Cys Asn
               110                 115                 120
Ser Gly Tyr Val Val Gln Asp Asp Val Val Met Gly Thr Leu Thr
               125                 130                 135
Val Arg Glu Asn Leu Gln Phe Ser Ala Ala Leu Arg Leu Ala Thr
               140                 145                 150
Thr Met Thr Asn His Glu Lys Asn Glu Arg Ile Asn Arg Val Ile
               155                 160                 165
Gln Glu Leu Gly Leu Asp Lys Val Ala Asp Ser Lys Val Gly Thr
               170                 175                 180
Gln Phe Ile Arg Gly Val Ser Gly Gly Glu Arg Lys Arg Thr Ser
               185                 190                 195
Ile Gly Met Glu Leu Ile Thr Asp Pro Ser Ile Leu Phe Leu Asp
               200                 205                 210
Glu Pro Thr Thr Gly Leu Asp Ser Ser Thr Ala Asn Ala Val Leu
               215                 220                 225
Leu Leu Leu Lys Arg Met Ser Lys Gln Gly Arg Thr Ile Ile Phe
               230                 235                 240
Ser Ile His Gln Pro Arg Tyr Ser Ile Phe Lys Leu Phe Asp Ser
               245                 250                 255
Leu Thr Leu Leu Ala Ser Gly Arg Leu Met Phe His Gly Pro Ala
               260                 265                 270
Gln Glu Ala Leu Gly Tyr Phe Glu Ser Ala Gly Tyr His Cys Glu
               275                 280                 285
Ala Tyr Asn Asn Pro Ala Asp Phe Phe Leu Asp Ile Ile Asn Gly
               290                 295                 300
```

```
Asp Ser Thr Ala Val Ala Leu Asn Arg Glu Glu Asp Phe Lys Ala
                305                 310                 315
Thr Glu Ile Ile Glu Pro Ser Lys Gln Asp Lys Pro Leu Ile Glu
                320                 325                 330
Lys Leu Ala Glu Ile Tyr Val Asn Ser Ser Phe Tyr Lys Glu Thr
                335                 340                 345
Lys Ala Glu Leu His Gln Leu Ser Gly Gly Glu Lys Lys Lys Lys
                350                 355                 360
Ile Thr Val Phe Lys Glu Ile Ser Tyr Thr Thr Ser Phe Cys His
                365                 370                 375
Gln Leu Arg Trp Val Ser Lys Arg Ser Phe Lys Asn Leu Leu Gly
                380                 385                 390
Asn Pro Gln Ala Ser Ile Ala Gln Ile Ile Val Thr Val Val Leu
                395                 400                 405
Gly Leu Val Ile Gly Ala Ile Tyr Phe Gly Leu Lys Asn Asp Ser
                410                 415                 420
Thr Gly Ile Gln Asn Arg Ala Gly Val Leu Phe Phe Leu Thr Thr
                425                 430                 435
Asn Gln Cys Phe Ser Ser Val Ser Ala Val Glu Leu Phe Val Val
                440                 445                 450
Glu Lys Lys Leu Phe Ile His Glu Tyr Ile Ser Gly Tyr Tyr Arg
                455                 460                 465
Val Ser Ser Tyr Phe Leu Gly Lys Leu Leu Ser Asp Leu Leu Pro
                470                 475                 480
Met Arg Met Leu Pro Ser Ile Ile Phe Thr Cys Ile Val Tyr Phe
                485                 490                 495
Met Leu Gly Leu Lys Pro Lys Ala Asp Ala Phe Phe Val Met Met
                500                 505                 510
Phe Thr Leu Met Met Val Ala Tyr Ser Ala Ser Ser Met Ala Leu
                515                 520                 525
Ala Ile Ala Ala Gly Gln Ser Val Val Ser Val Ala Thr Leu Leu
                530                 535                 540
Met Thr Ile Cys Phe Val Phe Met Met Ile Phe Ser Gly Leu Leu
                545                 550                 555
Val Asn Leu Thr Thr Ile Ala Ser Trp Leu Ser Trp Leu Gln Tyr
                560                 565                 570
Phe Ser Ile Pro Arg Tyr Gly Phe Thr Ala Leu Gln His Asn Glu
                575                 580                 585
Phe Leu Gly Gln Asn Phe Cys Pro Gly Leu Asn Ala Thr Gly Asn
                590                 595                 600
Asn Pro Cys Asn Tyr Ala Thr Cys Thr Gly Glu Glu Tyr Leu Val
                605                 610                 615
Lys Gln Gly Ile Asp Leu Ser Pro Trp Gly Leu Trp Lys Asn His
                620                 625                 630
Val Ala Leu Ala Cys Met Ile Val Ile Phe Leu Thr Ile Ala Tyr
                635                 640                 645
Leu Lys Leu Leu Phe Leu Lys Lys Tyr Ser
                650                 655

<210> 25
<211> 184
<212> PRT
<213> Homo sapiens

<220>
<221> misc_feature
<223> Incyte ID No: 5593114CD1

<400> 25
Met Trp Val Phe Gly Tyr Gly Ser Leu Ile Trp Lys Val Asp Phe
  1               5                  10                  15
Pro Tyr Gln Asp Lys Leu Val Gly Tyr Ile Thr Asn Tyr Ser Arg
                20                  25                  30
Arg Phe Trp Gln Gly Ser Thr Asp His Arg Gly Val Pro Gly Lys
                35                  40                  45
Pro Gly Arg Val Val Thr Leu Val Glu Asp Pro Ala Gly Cys Val
                50                  55                  60
Trp Gly Val Ala Tyr Arg Leu Pro Val Gly Lys Glu Glu Glu Val
                65                  70                  75
```

```
Lys Ala Tyr Leu Asp Phe Arg Glu Lys Gly Gly Tyr Arg Thr Thr
                80                  85                  90
Thr Val Ile Phe Tyr Pro Lys Asp Pro Thr Thr Lys Pro Phe Ser
                95                 100                 105
Val Leu Leu Tyr Ile Gly Thr Cys Asp Asn Pro Asp Tyr Leu Gly
               110                 115                 120
Pro Ala Pro Leu Glu Asp Ile Ala Glu Gln Ile Phe Asn Ala Ala
               125                 130                 135
Gly Pro Ser Gly Arg Asn Thr Glu Tyr Leu Phe Glu Leu Ala Asn
               140                 145                 150
Ser Ile Arg Asn Leu Val Pro Glu Glu Ala Asp Glu His Leu Phe
               155                 160                 165
Ala Leu Glu Lys Leu Val Lys Glu Arg Leu Glu Gly Lys Gln Asn
               170                 175                 180
Leu Asn Cys Ile
```

<210> 26
<211> 154
<212> PRT
<213> Homo sapiens

<220>
<221> misc_feature
<223> Incyte ID No: 044775CD1

<400> 26

```
Met Gly Ala Phe Glu Cys Val Arg Lys Val Tyr Gln Thr Asp Gly
  1                 5                  10                  15
Leu Lys Gly Phe Tyr Arg Gly Met Ser Ala Ser Tyr Ala Gly Ile
               20                  25                  30
Ser Glu Thr Val Ile His Phe Val Ile Tyr Glu Ser Ile Lys Gln
               35                  40                  45
Lys Leu Leu Glu Tyr Lys Thr Ala Ser Thr Met Glu Asn Asp Glu
               50                  55                  60
Glu Ser Val Lys Glu Ala Ser Asp Phe Val Gly Met Met Leu Ala
               65                  70                  75
Ala Ala Thr Ser Lys Thr Cys Ala Thr Thr Ile Ala Tyr Pro His
               80                  85                  90
Glu Val Val Arg Thr Arg Leu Arg Glu Glu Gly Thr Lys Tyr Arg
               95                 100                 105
Ser Phe Phe Gln Thr Leu Ser Leu Leu Val Gln Glu Glu Gly Tyr
              110                 115                 120
Gly Ser Leu Tyr Arg Gly Leu Thr Thr His Leu Val Arg Gln Ile
              125                 130                 135
Pro Asn Thr Ala Ile Met Met Ala Thr Tyr Glu Leu Val Val Tyr
              140                 145                 150
Leu Leu Asn Gly
```

<210> 27
<211> 438
<212> PRT
<213> Homo sapiens

<220>
<221> misc_feature
<223> Incyte ID No: 116588CD1

<400> 27

```
Met Leu Leu Val Thr Pro Arg Pro Glu Arg Gly Gly Arg Gly Thr
  1                 5                  10                  15
Glu Leu Gly Glu Phe Cys Gly Thr Pro Leu Leu Phe Ser Ser Tyr
               20                  25                  30
Phe Cys Tyr Asp Asn Pro Ala Ala Leu Gln Thr Gln Val Lys Arg
               35                  40                  45
Asp Met Gln Val Asn Thr Thr Lys Phe Met Leu Leu Tyr Ala Trp
               50                  55                  60
Tyr Ser Trp Pro Asn Val Val Leu Cys Phe Phe Gly Gly Phe Leu
               65                  70                  75
```

```
Ile Asp Arg Val Phe Gly Ile Arg Trp Gly Thr Ile Ile Phe Ser
                 80                  85                  90
Cys Phe Val Cys Ile Gly Gln Val Val Phe Ala Leu Gly Gly Ile
                 95                 100                 105
Phe Asn Ala Phe Trp Leu Met Glu Phe Gly Arg Phe Val Phe Gly
                110                 115                 120
Ile Gly Gly Glu Ser Leu Ala Val Ala Gln Asn Thr Tyr Ala Val
                125                 130                 135
Ser Trp Phe Lys Gly Lys Glu Leu Asn Leu Val Phe Gly Leu Gln
                140                 145                 150
Leu Ser Met Ala Arg Ile Gly Ser Thr Val Asn Met Asn Leu Met
                155                 160                 165
Gly Trp Leu Tyr Ser Lys Ile Glu Ala Leu Leu Gly Ser Ala Gly
                170                 175                 180
His Thr Thr Leu Gly Ile Thr Leu Met Ile Gly Gly Val Thr Cys
                185                 190                 195
Ile Leu Ser Leu Ile Cys Ala Leu Ala Leu Ala Tyr Leu Asp Gln
                200                 205                 210
Arg Ala Glu Arg Ile Leu His Lys Glu Gln Gly Lys Thr Gly Glu
                215                 220                 225
Val Ile Lys Leu Thr Asp Val Lys Asp Phe Ser Leu Pro Leu Trp
                230                 235                 240
Leu Ile Phe Ile Ile Cys Val Cys Tyr Tyr Val Ala Val Phe Pro
                245                 250                 255
Phe Ile Gly Leu Gly Lys Val Phe Phe Thr Glu Lys Phe Gly Phe
                260                 265                 270
Ser Ser Gln Ala Ala Ser Ala Ile Asn Ser Val Val Tyr Val Ile
                275                 280                 285
Ser Ala Pro Met Ser Pro Val Phe Gly Leu Leu Val Asp Lys Thr
                290                 295                 300
Gly Lys Asn Ile Ile Trp Val Leu Cys Ala Val Ala Ala Thr Leu
                305                 310                 315
Val Ser His Met Met Leu Ala Phe Thr Met Trp Asn Pro Trp Ile
                320                 325                 330
Ala Met Cys Leu Leu Gly Leu Ser Tyr Ser Leu Leu Ala Cys Ala
                335                 340                 345
Leu Trp Pro Met Val Ala Phe Val Val Pro Glu His Gln Leu Gly
                350                 355                 360
Thr Ala Tyr Gly Phe Met Gln Ser Ile Gln Asn Leu Gly Leu Ala
                365                 370                 375
Ile Ile Ser Ile Ile Ala Gly Met Ile Leu Asp Ser Arg Gly Tyr
                380                 385                 390
Leu Phe Leu Glu Val Phe Phe Ile Ala Cys Val Ser Leu Ser Leu
                395                 400                 405
Leu Ser Val Val Leu Leu Tyr Leu Val Asn Arg Ala Gln Gly Gly
                410                 415                 420
Asn Leu Asn Tyr Ser Ala Arg Gln Arg Glu Glu Ile Lys Phe Ser
                425                 430                 435
His Thr Glu
```

<210> 28
<211> 237
<212> PRT
<213> Homo sapiens

<220>
<221> misc_feature
<223> Incyte ID No: 875369CD1

<400> 28

```
Met Ala His Val Gly Ser Arg Lys Arg Ser Arg Ser Arg Ser Arg
  1               5                  10                  15
Ser Arg Gly Arg Gly Ser Glu Lys Arg Lys Lys Lys Ser Arg Lys
                 20                  25                  30
Asp Thr Ser Arg Asn Cys Ser Ala Ser Thr Ser Gln Gly Arg Lys
                 35                  40                  45
Ala Ser Thr Ala Pro Gly Ala Glu Ala Ser Pro Ser Pro Cys Ile
                 50                  55                  60
```

```
Thr Glu Arg Ser Lys Gln Lys Ala Arg Arg Arg Thr Arg Ser Ser
                65                  70                  75
Ser Ser Ser Ser Ser Ser Ser Ser Ser Ser Ser Ser Ser Ser Ser
                80                  85                  90
Ser Ser Ser Ser Ser Ser Ser Ser Asp Gly Arg Lys Lys Arg Gly
                95                 100                 105
Lys Tyr Lys Asp Lys Arg Arg Lys Lys Lys Lys Lys Arg Lys Lys
               110                 115                 120
Leu Lys Lys Lys Gly Lys Glu Lys Ala Glu Ala Gln Gln Val Glu
               125                 130                 135
Ala Leu Pro Gly Pro Ser Leu Asp Gln Trp His Arg Ser Ala Gly
               140                 145                 150
Glu Glu Glu Asp Gly Pro Val Leu Thr Asp Glu Gln Lys Ser Arg
               155                 160                 165
Ile Gln Ala Met Lys Pro Met Thr Lys Glu Glu Trp Asp Ala Arg
               170                 175                 180
Gln Ser Ile Ile Arg Lys Val Val Asp Pro Glu Thr Gly Arg Thr
               185                 190                 195
Arg Leu Ile Lys Gly Asp Gly Glu Val Leu Glu Glu Ile Val Thr
               200                 205                 210
Lys Glu Arg His Arg Glu Ile Asn Lys Gln Ala Thr Arg Gly Asp
               215                 220                 225
Cys Leu Ala Phe Gln Met Arg Ala Gly Leu Leu Pro
               230                 235
<210> 29
<211> 219
<212> PRT
<213> Homo sapiens

<220>
<221> misc_feature
<223> Incyte ID No: 1325518CD1

<400> 29
Met Lys Leu Leu Leu Trp Ala Cys Ile Val Cys Val Ala Phe Ala
  1                 5                  10                  15
Arg Lys Arg Arg Phe Pro Phe Ile Gly Glu Asp Asp Asn Asp Asp
                20                  25                  30
Gly His Pro Leu His Pro Ser Leu Asn Ile Pro Tyr Gly Ile Arg
                35                  40                  45
Asn Leu Pro Pro Pro Leu Tyr Tyr Arg Pro Val Asn Thr Val Pro
                50                  55                  60
Ser Tyr Pro Gly Asn Thr Tyr Thr Asp Thr Gly Leu Pro Ser Tyr
                65                  70                  75
Pro Trp Ile Leu Thr Ser Pro Gly Phe Pro Tyr Val Tyr His Ile
                80                  85                  90
Arg Gly Phe Pro Leu Ala Thr Gln Leu Asn Val Pro Pro Leu Pro
                95                 100                 105
Pro Arg Gly Phe Pro Phe Val Pro Pro Ser Arg Phe Phe Ser Ala
               110                 115                 120
Ala Ala Ala Pro Ala Ala Pro Pro Ile Ala Ala Glu Pro Ala Ala
               125                 130                 135
Ala Ala Pro Leu Thr Ala Thr Pro Val Ala Ala Glu Pro Ala Ala
               140                 145                 150
Gly Ala Pro Val Ala Ala Glu Pro Ala Ala Glu Ala Pro Val Gly
               155                 160                 165
Ala Glu Pro Ala Ala Glu Ala Pro Val Ala Ala Glu Pro Ala Ala
               170                 175                 180
Glu Ala Pro Val Gly Val Glu Pro Ala Ala Glu Glu Pro Ser Pro
               185                 190                 195
Ala Glu Pro Ala Thr Ala Lys Pro Ala Ala Pro Glu Pro His Pro
               200                 205                 210
Ser Pro Ser Leu Glu Gln Ala Asn Gln
               215
<210> 30
<211> 707
<212> PRT
<213> Homo sapiens
```

<220>
<221> misc_feature
<223> Incyte ID No: 2060987CD1

<400> 30

```
Met Ala Ala Ala Ala Thr Ala Ala Glu Gly Val Pro Ser Arg Gly
  1               5                  10                  15
Pro Pro Gly Glu Val Ile His Leu Asn Val Gly Gly Lys Arg Phe
             20                  25                  30
Ser Thr Ser Arg Gln Thr Leu Thr Trp Ile Pro Asp Ser Phe Phe
             35                  40                  45
Ser Ser Leu Leu Ser Gly Arg Ile Ser Thr Leu Lys Asp Glu Thr
             50                  55                  60
Gly Ala Ile Phe Ile Asp Arg Asp Pro Thr Val Phe Ala Pro Ile
             65                  70                  75
Leu Asn Phe Leu Arg Thr Lys Glu Leu Asp Pro Arg Gly Val His
             80                  85                  90
Gly Ser Ser Leu Leu His Glu Ala Gln Phe Tyr Gly Leu Thr Pro
             95                 100                 105
Leu Val Arg Arg Leu Gln Leu Arg Glu Glu Leu Asp Arg Ser Ser
            110                 115                 120
Cys Gly Asn Val Leu Phe Asn Gly Tyr Leu Pro Pro Pro Val Phe
            125                 130                 135
Pro Val Lys Arg Arg Asn Arg His Ser Leu Val Gly Pro Gln Gln
            140                 145                 150
Leu Gly Gly Arg Pro Ala Pro Val Arg Arg Ser Asn Thr Met Pro
            155                 160                 165
Pro Asn Leu Gly Asn Ala Gly Leu Leu Gly Arg Met Leu Asp Glu
            170                 175                 180
Lys Thr Pro Pro Ser Pro Ser Gly Gln Pro Glu Glu Pro Gly Met
            185                 190                 195
Val Arg Leu Val Cys Gly His His Asn Trp Ile Ala Val Ala Tyr
            200                 205                 210
Thr Gln Phe Leu Val Cys Tyr Arg Leu Lys Glu Ala Ser Gly Trp
            215                 220                 225
Gln Leu Val Phe Ser Ser Pro Arg Leu Asp Trp Pro Ile Glu Arg
            230                 235                 240
Leu Ala Leu Thr Ala Arg Val His Gly Gly Ala Leu Gly Glu His
            245                 250                 255
Asp Lys Met Val Ala Ala Ala Thr Gly Ser Glu Ile Leu Leu Trp
            260                 265                 270
Ala Leu Gln Ala Glu Gly Gly Gly Ser Glu Ile Gly Val Phe His
            275                 280                 285
Leu Gly Val Pro Val Glu Ala Leu Phe Phe Val Gly Asn Gln Leu
            290                 295                 300
Ile Ala Thr Ser His Thr Gly Arg Ile Gly Val Trp Asn Ala Val
            305                 310                 315
Thr Lys His Trp Gln Val Gln Glu Val Gln Pro Ile Thr Ser Tyr
            320                 325                 330
Asp Ala Ala Gly Ser Phe Leu Leu Leu Gly Cys Asn Asn Gly Ser
            335                 340                 345
Ile Tyr Tyr Val Asp Val Gln Lys Phe Pro Leu Arg Met Lys Asp
            350                 355                 360
Asn Asp Leu Leu Val Ser Glu Leu Tyr Arg Asp Pro Ala Glu Asp
            365                 370                 375
Gly Val Thr Ala Leu Ser Val Tyr Leu Thr Pro Lys Thr Ser Asp
            380                 385                 390
Ser Gly Asn Trp Ile Glu Ile Ala Tyr Gly Thr Ser Ser Gly Gly
            395                 400                 405
Val Arg Val Ile Val Gln His Pro Glu Thr Val Gly Ser Gly Pro
            410                 415                 420
Gln Leu Phe Gln Thr Phe Thr Val His Arg Ser Pro Val Thr Lys
            425                 430                 435
Ile Met Leu Ser Glu Lys His Leu Ile Ser Val Cys Ala Asp Asn
            440                 445                 450
Asn His Val Arg Thr Trp Ser Val Thr Arg Phe Arg Gly Met Ile
            455                 460                 465
Ser Thr Gln Pro Gly Ser Thr Pro Leu Ala Ser Phe Lys Ile Leu
```

```
                470                 475                 480
Ala Leu Glu Ser Ala Asp Gly His Gly Gly Cys Ser Ala Gly Asn
                485                 490                 495
Asp Ile Gly Pro Tyr Gly Glu Arg Asp Asp Gln Gln Val Phe Ile
                500                 505                 510
Gln Lys Val Val Pro Ser Ala Ser Gln Leu Phe Val Arg Leu Ser
                515                 520                 525
Ser Thr Gly Gln Arg Val Cys Ser Val Arg Ser Val Asp Gly Ser
                530                 535                 540
Pro Thr Thr Ala Phe Thr Val Leu Glu Cys Glu Gly Ser Arg Arg
                545                 550                 555
Leu Gly Ser Arg Pro Arg Arg Tyr Leu Leu Thr Gly Gln Ala Asn
                560                 565                 570
Gly Ser Leu Ala Met Trp Asp Leu Thr Thr Ala Met Asp Gly Leu
                575                 580                 585
Gly Gln Ala Pro Ala Gly Gly Leu Thr Glu Gln Glu Leu Met Glu
                590                 595                 600
Gln Leu Glu His Cys Glu Leu Ala Pro Pro Ala Pro Ser Ala Pro
                605                 610                 615
Ser Trp Gly Cys Leu Pro Ser Pro Ser Pro Arg Ile Ser Leu Thr
                620                 625                 630
Ser Leu His Ser Ala Ser Ser Asn Thr Ser Leu Ser Gly His Arg
                635                 640                 645
Gly Ser Pro Ser Pro Pro Gln Ala Glu Ala Arg Arg Arg Gly Gly
                650                 655                 660
Gly Ser Phe Val Glu Arg Cys Gln Glu Leu Val Arg Ser Gly Pro
                665                 670                 675
Asp Leu Arg Arg Pro Pro Thr Pro Ala Pro Trp Pro Ser Ser Gly
                680                 685                 690
Leu Gly Thr Pro Leu Thr Pro Pro Lys Met Lys Leu Asn Glu Thr
                695                 700                 705
Ser Phe
```

<210> 31
<211> 279
<212> PRT
<213> Homo sapiens

<220>
<221> misc_feature
<223> Incyte ID No: 2172064CD1

<400> 31

```
Met Cys Gly Arg Phe Leu Arg Arg Leu Leu Ala Glu Glu Ser Arg
  1                 5                  10                  15
Arg Ser Thr Pro Val Gly Arg Leu Leu Leu Pro Val Leu Leu Gly
                 20                  25                  30
Phe Arg Leu Val Leu Leu Ala Ala Ser Gly Pro Gly Val Tyr Gly
                 35                  40                  45
Asp Glu Gln Ser Glu Phe Val Cys His Thr Gln Gln Pro Gly Cys
                 50                  55                  60
Lys Ala Ala Cys Phe Asp Ala Phe His Pro Leu Ser Pro Leu Arg
                 65                  70                  75
Ser Trp Val Phe Gln Val Ile Leu Val Ala Val Pro Ser Ala Leu
                 80                  85                  90
Tyr Met Gly Phe Thr Leu Tyr His Val Ile Trp His Trp Glu Leu
                 95                 100                 105
Ser Gly Lys Gly Lys Glu Glu Glu Thr Leu Ile Gln Gly Arg Glu
                110                 115                 120
Gly Asn Thr Asp Val Pro Gly Ala Gly Ser Leu Arg Leu Leu Trp
                125                 130                 135
Ala Tyr Val Ala Gln Leu Gly Ala Arg Leu Val Leu Glu Gly Ala
                140                 145                 150
Ala Leu Gly Leu Gln Tyr His Leu Tyr Gly Phe Gln Met Pro Ser
                155                 160                 165
Ser Phe Ala Cys Arg Arg Glu Pro Cys Leu Gly Ser Ile Thr Cys
                170                 175                 180
Asn Leu Ser Arg Pro Ser Glu Lys Thr Ile Phe Leu Lys Thr Met
```

```
                185                 190                 195
Phe Gly Val Ser Gly Phe Cys Leu Leu Phe Thr Phe Leu Glu Leu
                200                 205                 210
Val Leu Leu Gly Leu Gly Arg Trp Trp Arg Thr Trp Lys His Lys
                215                 220                 225
Ser Ser Ser Ser Lys Tyr Phe Leu Thr Ser Glu Ser Thr Arg Arg
                230                 235                 240
His Lys Lys Ala Thr Asp Ser Leu Pro Val Val Glu Thr Lys Glu
                245                 250                 255
Gln Phe Gln Glu Ala Val Pro Gly Arg Ser Leu Ala Gln Glu Lys
                260                 265                 270
Gln Arg Pro Val Gly Pro Arg Asp Ala
                275
<210> 32
<211> 154
<212> PRT
<213> Homo sapiens

<220>
<221> misc_feature
<223> Incyte ID No: 2219267CD1

<400> 32
Met Val Thr Gly Leu Ala Ser Leu Leu Leu Leu Ala Gly Ala Gln
  1                 5                  10                  15
Tyr Leu Pro Gly Trp Thr Val Leu Phe Leu Ser Val Leu Gly Leu
                 20                  25                  30
Leu Ala Ser Arg Ala Val Ser Ala Leu Ser Ser Leu Phe Ala Ala
                 35                  40                  45
Glu Val Phe Pro Thr Val Ile Arg Gly Ala Gly Leu Gly Leu Val
                 50                  55                  60
Leu Gly Ala Gly Phe Leu Gly Gln Ala Ala Gly Pro Leu Asp Thr
                 65                  70                  75
Leu His Gly Arg Gln Gly Phe Phe Leu Gln Gln Val Val Phe Ala
                 80                  85                  90
Ser Leu Ala Val Leu Ala Leu Leu Cys Val Leu Leu Leu Pro Glu
                 95                 100                 105
Ser Arg Ser Arg Gly Leu Pro Gln Ser Leu Gln Asp Ala Asp Arg
                110                 115                 120
Leu Arg Arg Ser Pro Leu Leu Arg Gly Arg Pro Arg Gln Asp His
                125                 130                 135
Leu Pro Leu Leu Pro Pro Ser Asn Ser Tyr Trp Ala Gly His Thr
                140                 145                 150
Pro Glu Gln His

<210> 33
<211> 289
<212> PRT
<213> Homo sapiens

<220>
<221> misc_feature
<223> Incyte ID No: 2308629CD1

<400> 33
Met Val Ala Gly Ala Val Ala Gly Ile Leu Glu His Cys Val Met
  1                 5                  10                  15
Tyr Pro Ile Asp Cys Val Lys Thr Arg Met Gln Ser Leu Gln Pro
                 20                  25                  30
Asp Pro Ala Ala Arg Tyr Arg Asn Val Leu Glu Ala Leu Trp Arg
                 35                  40                  45
Ile Ile Arg Thr Glu Gly Leu Trp Arg Pro Met Arg Gly Leu Asn
                 50                  55                  60
Val Thr Ala Thr Gly Ala Gly Pro Ala His Ala Leu Tyr Phe Ala
                 65                  70                  75
Cys Tyr Glu Lys Leu Lys Lys Thr Leu Ser Asp Val Ile His Pro
                 80                  85                  90
Gly Gly Asn Ser His Ile Ala Asn Gly Ala Ala Gly Cys Val Ala
```

```
                 95                  100                 105
Thr Leu Leu His Asp Ala Ala Met Asn Pro Ala Glu Val Val Lys
                110                 115                 120
Gln Arg Met Gln Met Tyr Asn Ser Pro Tyr His Arg Val Thr Asp
                125                 130                 135
Cys Val Arg Ala Val Trp Gln Asn Glu Gly Ala Gly Ala Phe Tyr
                140                 145                 150
Arg Ser Tyr Thr Thr Gln Leu Thr Met Asn Val Pro Phe Gln Ala
                155                 160                 165
Ile His Phe Met Thr Tyr Glu Phe Leu Gln Glu His Phe Asn Pro
                170                 175                 180
Gln Arg Arg Tyr Asn Pro Ser Ser His Val Leu Ser Gly Ala Cys
                185                 190                 195
Ala Gly Ala Val Ala Ala Ala Ala Thr Thr Pro Leu Asp Val Cys
                200                 205                 210
Lys Thr Leu Leu Asn Thr Gln Glu Ser Leu Ala Leu Asn Ser His
                215                 220                 225
Ile Thr Gly His Ile Thr Gly Met Ala Ser Ala Phe Arg Thr Val
                230                 235                 240
Tyr Gln Val Gly Gly Val Thr Ala Tyr Phe Arg Gly Val Gln Ala
                245                 250                 255
Arg Val Ile Tyr Gln Ile Pro Ser Thr Ala Ile Ala Trp Ser Val
                260                 265                 270
Tyr Glu Phe Phe Lys Tyr Leu Ile Thr Lys Arg Gln Glu Glu Trp
                275                 280                 285
Arg Ala Gly Lys

<210> 34
<211> 300
<212> PRT
<213> Homo sapiens

<220>
<221> misc_feature
<223> Incyte ID No: 2660038CD1

<400> 34
Met Asp Phe Leu Met Ser Gly Leu Ala Ala Cys Gly Ala Cys Val
  1                   5                  10                  15
Phe Thr Asn Pro Leu Glu Val Val Lys Thr Arg Met Gln Leu Gln
                 20                  25                  30
Gly Glu Leu Gln Ala Pro Gly Thr Tyr Gln Arg His Tyr Arg Asn
                 35                  40                  45
Val Phe His Ala Phe Ile Thr Ile Gly Lys Val Asp Gly Leu Ala
                 50                  55                  60
Ala Leu Gln Lys Gly Leu Ala Pro Ala Leu Leu Tyr Gln Phe Leu
                 65                  70                  75
Met Asn Gly Ile Arg Leu Gly Thr Tyr Gly Leu Ala Glu Ala Gly
                 80                  85                  90
Gly Tyr Leu His Thr Ala Glu Ala Thr His Ser Pro Ala Arg Ser
                 95                 100                 105
Ala Ala Ala Gly Ala Met Ala Gly Val Met Gly Ala Tyr Leu Gly
                110                 115                 120
Ser Pro Ile Tyr Met Val Lys Thr His Leu Gln Ala Gln Ala Ala
                125                 130                 135
Ser Glu Ile Ala Val Gly His Gln Tyr Lys His Gln Gly Met Phe
                140                 145                 150
Gln Ala Leu Thr Glu Ile Gly Gln Lys His Gly Leu Val Gly Leu
                155                 160                 165
Trp Arg Gly Ala Leu Gly Gly Leu Pro Arg Val Ile Val Gly Ser
                170                 175                 180
Ser Thr Gln Leu Cys Thr Phe Ser Ser Thr Lys Asp Leu Leu Ser
                185                 190                 195
Gln Trp Glu Ile Phe Pro Pro Gln Ser Trp Lys Leu Ala Leu Val
                200                 205                 210
Ala Ala Met Met Ser Gly Ile Ala Val Val Leu Ala Met Ala Pro
                215                 220                 225
Phe Asp Val Ala Cys Thr Arg Leu Tyr Asn Gln Pro Thr Asp Ala
```

```
                230                 235                 240
Gln Gly Lys Gly Leu Met Tyr Arg Gly Ile Leu Asp Ala Leu Leu
                245                 250                 255
Gln Thr Ala Arg Thr Glu Gly Ile Phe Gly Met Tyr Lys Gly Ile
                260                 265                 270
Gly Ala Ser Tyr Phe Arg Leu Gly Pro His Thr Ile Leu Ser Leu
                275                 280                 285
Phe Phe Trp Asp Gln Leu Arg Ser Leu Tyr Tyr Thr Asp Thr Lys
                290                 295                 300

<210> 35
<211> 382
<212> PRT
<213> Homo sapiens

<220>
<221> misc_feature
<223> Incyte ID No: 2670745CD1

<400> 35
Met Leu Arg Trp Thr Val His Leu Glu Gly Gly Pro Arg Arg Val
  1                 5                  10                  15
Asn His Ala Ala Val Ala Val Gly His Arg Val Tyr Ser Phe Gly
                 20                  25                  30
Gly Tyr Cys Ser Gly Glu Asp Tyr Glu Thr Leu Arg Gln Ile Asp
                 35                  40                  45
Val His Ile Phe Asn Ala Val Ser Leu Arg Trp Thr Lys Leu Pro
                 50                  55                  60
Pro Val Lys Ser Ala Ile Arg Gly Gln Ala Pro Val Val Pro Tyr
                 65                  70                  75
Met Arg Tyr Gly His Ser Thr Val Leu Ile Asp Asp Thr Val Leu
                 80                  85                  90
Leu Trp Gly Gly Arg Asn Asp Thr Glu Gly Ala Cys Asn Val Leu
                 95                 100                 105
Tyr Ala Phe Asp Val Asn Thr His Lys Trp Phe Thr Pro Arg Val
                110                 115                 120
Ser Gly Thr Val Pro Gly Ala Arg Asp Gly His Ser Ala Cys Val
                125                 130                 135
Leu Gly Lys Ile Met Tyr Ile Phe Gly Gly Tyr Glu Gln Gln Ala
                140                 145                 150
Asp Cys Phe Ser Asn Asp Ile His Lys Leu Asp Thr Ser Thr Met
                155                 160                 165
Thr Trp Thr Leu Ile Cys Thr Lys Gly Ser Pro Ala Arg Trp Arg
                170                 175                 180
Asp Phe His Ser Ala Thr Met Leu Gly Ser His Met Tyr Val Phe
                185                 190                 195
Gly Gly Arg Ala Asp Arg Phe Gly Pro Phe His Ser Asn Asn Glu
                200                 205                 210
Ile Tyr Cys Asn Arg Ile Arg Val Phe Asp Thr Arg Thr Glu Ala
                215                 220                 225
Trp Leu Asp Cys Pro Pro Thr Pro Val Leu Pro Glu Gly Arg Arg
                230                 235                 240
Ser His Ser Ala Phe Gly Tyr Asn Gly Glu Leu Tyr Ile Phe Gly
                245                 250                 255
Gly Tyr Asn Ala Arg Leu Asn Arg His Phe His Asp Leu Trp Lys
                260                 265                 270
Phe Asn Pro Val Ser Phe Thr Trp Lys Lys Ile Glu Pro Lys Gly
                275                 280                 285
Lys Gly Pro Cys Pro Arg Arg Arg Gln Cys Cys Cys Ile Val Gly
                290                 295                 300
Asp Lys Ile Val Leu Phe Gly Gly Thr Ser Pro Ser Pro Glu Glu
                305                 310                 315
Gly Leu Gly Asp Glu Phe Asp Leu Ile Asp His Ser Asp Leu His
                320                 325                 330
Ile Leu Asp Phe Ser Pro Ser Leu Lys Thr Leu Cys Lys Leu Ala
                335                 340                 345
Val Ile Gln Tyr Asn Leu Asp Gln Ser Cys Leu Pro His Asp Ile
                350                 355                 360
```

```
Arg Trp Glu Leu Asn Ala Met Thr Thr Asn Ser Asn Ile Ser Arg
                365                 370                 375
Pro Ile Val Ser Ser His Gly
                380
<210> 36
<211> 287
<212> PRT
<213> Homo sapiens

<220>
<221> misc_feature
<223> Incyte ID No: 2676443CD1

<400> 36
Met Ala Ala Glu Ala Arg Val Ser Arg Trp Tyr Phe Gly Gly Leu
  1                 5                  10                  15
Ala Ser Cys Gly Ala Ala Cys Cys Thr His Pro Leu Asp Leu Leu
                 20                  25                  30
Lys Val His Leu Gln Thr Gln Gln Glu Val Lys Leu Arg Met Thr
                 35                  40                  45
Gly Met Ala Leu Arg Val Val Arg Thr Asp Gly Ile Leu Ala Leu
                 50                  55                  60
Tyr Ser Gly Leu Ser Ala Ser Leu Cys Arg Gln Met Thr Tyr Ser
                 65                  70                  75
Leu Thr Arg Phe Ala Ile Tyr Glu Thr Val Arg Asp Arg Val Ala
                 80                  85                  90
Lys Gly Ser Gln Gly Pro Leu Pro Phe His Glu Lys Val Leu Leu
                 95                 100                 105
Gly Ser Val Ser Gly Leu Ala Gly Gly Phe Val Gly Thr Pro Ala
                110                 115                 120
Asp Leu Val Asn Val Arg Met Gln Asn Asp Val Lys Leu Pro Gln
                125                 130                 135
Gly Gln Arg Arg Asn Tyr Ala His Ala Leu Asp Gly Leu Tyr Arg
                140                 145                 150
Val Ala Arg Glu Glu Gly Leu Arg Arg Leu Phe Ser Gly Ala Thr
                155                 160                 165
Met Ala Ser Ser Arg Gly Ala Leu Val Thr Val Gly Gln Leu Ser
                170                 175                 180
Cys Tyr Asp Gln Ala Lys Gln Leu Val Leu Ser Thr Gly Tyr Leu
                185                 190                 195
Ser Asp Asn Ile Phe Thr His Phe Val Ala Ser Phe Ile Ala Gly
                200                 205                 210
Gly Cys Ala Thr Phe Leu Cys Gln Pro Leu Asp Val Leu Lys Thr
                215                 220                 225
Arg Leu Met Asn Ser Lys Gly Glu Tyr Gln Gly Val Phe His Cys
                230                 235                 240
Ala Val Glu Thr Ala Lys Leu Gly Pro Leu Ala Phe Tyr Lys Gly
                245                 250                 255
Leu Val Pro Ala Gly Ile Arg Leu Ile Pro His Thr Val Leu Thr
                260                 265                 270
Phe Val Phe Leu Glu Gln Leu Arg Lys Asn Phe Gly Ile Lys Val
                275                 280                 285
Pro Ser

<210> 37
<211> 497
<212> PRT
<213> Homo sapiens

<220>
<221> misc_feature
<223> Incyte ID No: 3295764CD1

<400> 37
Met Asp Val Pro Gly Pro Val Ser Arg Arg Ala Ala Ala Ala Ala
  1                 5                  10                  15
Ala Thr Val Leu Leu Arg Thr Ala Arg Val Arg Arg Glu Cys Trp
                 20                  25                  30
```

```
Phe Leu Pro Thr Ala Leu Leu Cys Ala Tyr Gly Phe Phe Ala Ser
                35                  40                  45
Leu Arg Pro Ser Glu Pro Phe Leu Thr Pro Tyr Leu Leu Gly Pro
            50                  55                  60
Asp Lys Asn Leu Thr Glu Arg Glu Val Phe Asn Glu Ile Tyr Pro
        65                  70                  75
Val Trp Thr Tyr Ser Tyr Leu Val Leu Leu Phe Pro Val Phe Leu
                80                  85                  90
Ala Thr Asp Tyr Leu Arg Tyr Lys Pro Val Val Leu Leu Gln Gly
            95                  100                 105
Leu Ser Leu Ile Val Thr Trp Phe Met Leu Leu Tyr Ala Gln Gly
        110                 115                 120
Leu Leu Ala Ile Gln Phe Leu Glu Phe Phe Tyr Gly Ile Ala Thr
    125                 130                 135
Ala Thr Glu Ile Ala Tyr Tyr Ser Tyr Ile Tyr Ser Val Val Asp
140                 145                 150
Leu Gly Met Tyr Gln Lys Val Thr Ser Tyr Cys Arg Ser Ala Thr
155                 160                 165
Leu Val Gly Phe Thr Val Gly Ser Val Leu Gly Gln Ile Leu Val
170                 175                 180
Ser Val Ala Gly Trp Ser Leu Phe Ser Leu Asn Val Ile Ser Leu
185                 190                 195
Thr Cys Val Ser Val Ala Phe Ala Val Ala Trp Phe Leu Pro Met
200                 205                 210
Pro Gln Lys Ser Leu Phe Phe His His Ile Pro Ser Thr Cys Gln
215                 220                 225
Arg Val Asn Gly Ile Lys Val Gln Asn Gly Gly Ile Val Thr Asp
230                 235                 240
Thr Pro Ala Ser Asn His Leu Pro Gly Trp Glu Asp Ile Glu Ser
245                 250                 255
Lys Ile Pro Leu Asn Met Glu Glu Pro Pro Val Glu Glu Pro Glu
260                 265                 270
Pro Lys Pro Asp Arg Leu Leu Val Leu Lys Val Leu Trp Asn Asp
275                 280                 285
Phe Leu Met Cys Tyr Ser Ser Arg Pro Leu Leu Cys Trp Ser Val
290                 295                 300
Trp Trp Ala Leu Ser Thr Cys Gly Tyr Phe Gln Val Val Asn Tyr
305                 310                 315
Thr Gln Gly Leu Trp Glu Lys Val Met Pro Ser Arg Tyr Ala Ala
320                 325                 330
Ile Tyr Asn Gly Gly Val Glu Ala Val Ser Thr Leu Leu Gly Ala
335                 340                 345
Val Ala Val Phe Ala Val Gly Tyr Ile Lys Ile Ser Trp Ser Thr
350                 355                 360
Trp Gly Glu Met Thr Leu Ser Leu Phe Ser Leu Leu Ile Ala Ala
365                 370                 375
Ala Val Tyr Ile Met Asp Thr Val Gly Asn Ile Trp Val Cys Tyr
380                 385                 390
Ala Ser Tyr Val Val Phe Arg Ile Ile Tyr Met Leu Leu Ile Thr
395                 400                 405
Ile Ala Thr Phe Gln Ile Ala Ala Asn Leu Ser Met Glu Arg Tyr
410                 415                 420
Ala Leu Val Phe Gly Val Asn Thr Phe Ile Ala Leu Ala Leu Gln
425                 430                 435
Thr Leu Leu Thr Leu Ile Val Val Asp Ala Ser Gly Leu Gly Leu
440                 445                 450
Glu Ile Thr Thr Gln Phe Leu Ile Tyr Ala Ser Tyr Phe Ala Leu
455                 460                 465
Ile Ala Val Val Phe Leu Ala Ser Gly Ala Val Ser Val Met Lys
470                 475                 480
Lys Cys Arg Lys Leu Glu Asp Pro Gln Ser Ser Ser Gln Val Thr
485                 490                 495
Thr Ser
```

<210> 38
<211> 228
<212> PRT
<213> Homo sapiens

<220>
<221> misc_feature
<223> Incyte ID No: 3438320CD1

<400> 38
Met Pro Arg Arg Gly Leu Val Ala Gly Pro Asp Leu Glu Tyr Phe
1 5 10 15
Gln Arg Arg Tyr Phe Thr Pro Ala Glu Val Ala Gln His Asn Arg
20 25 30
Pro Glu Asp Leu Trp Val Ser Tyr Leu Gly Arg Val Tyr Asp Leu
35 40 45
Thr Ser Leu Ala Gln Glu Tyr Lys Gly Asn Leu Leu Leu Lys Pro
50 55 60
Ile Val Glu Val Ala Gly Gln Asp Ile Ser His Trp Phe Asp Pro
65 70 75
Lys Thr Arg Asp Ile Arg Lys His Ile Asp Pro Leu Thr Gly Cys
80 85 90
Leu Arg Tyr Cys Thr Pro Arg Gly Arg Phe Val His Val Pro Pro
95 100 105
Gln Leu Pro Cys Ser Asp Trp Ala Asn Asp Phe Gly Lys Pro Trp
110 115 120
Trp Gln Gly Ser Tyr Tyr Glu Val Gly Arg Leu Ser Ala Lys Thr
125 130 135
Arg Ser Ile Arg Ile Ile Asn Thr Leu Thr Ser Gln Glu His Thr
140 145 150
Leu Glu Val Gly Val Leu Glu Ser Ile Trp Glu Ile Leu His Arg
155 160 165
Tyr Leu Pro Tyr Asn Ser His Ala Ala Ser Tyr Thr Trp Lys Tyr
170 175 180
Glu Gly Lys Asn Leu Asn Met Asp Phe Thr Leu Glu Glu Asn Gly
185 190 195
Ile Arg Asp Glu Glu Glu Glu Phe Asp Tyr Leu Ser Met Asp Gly
200 205 210
Thr Leu His Thr Pro Ala Ile Leu Leu Tyr Phe Asn Asp Asp Leu
215 220 225
Thr Glu Leu

<210> 39
<211> 273
<212> PRT
<213> Homo sapiens

<220>
<221> misc_feature
<223> Incyte ID No: 3986488CD1

<400> 39
Met Ala Ala Thr Ile Met Ile Leu Tyr Val Ser Lys Leu Asn Lys
1 5 10 15
Ile Ile His Phe Pro Asp Phe Asp Lys Lys Ile Pro Val Lys Leu
20 25 30
Phe Pro Leu Pro Leu Leu Tyr Val Gly Asn His Ile Ser Gly Leu
35 40 45
Ser Ser Thr Ser Lys Leu Ser Leu Pro Met Phe Thr Val Leu Arg
50 55 60
Lys Phe Thr Ile Pro Leu Thr Leu Leu Leu Glu Thr Ile Ile Leu
65 70 75
Gly Lys Gln Tyr Ser Leu Asn Ile Ile Leu Ser Val Phe Ala Ile
80 85 90
Ile Leu Gly Ala Phe Ile Ala Ala Gly Ser Asp Leu Ala Phe Asn
95 100 105
Leu Glu Gly Tyr Ile Phe Val Phe Leu Asn Asp Ile Phe Thr Ala
110 115 120
Ala Asn Gly Val Tyr Thr Lys Gln Lys Met Asp Pro Lys Glu Leu
125 130 135
Gly Lys Tyr Gly Val Leu Phe Tyr Asn Ala Cys Phe Met Ile Ile
140 145 150
Pro Thr Leu Ile Ile Ser Val Ser Thr Gly Asp Leu Gln Gln Ala

```
                155                 160                 165
Thr Glu Phe Asn Gln Trp Lys Asn Val Val Phe Ile Leu Gln Phe
                170                 175                 180
Leu Leu Ser Cys Phe Leu Gly Phe Leu Leu Met Tyr Ser Thr Val
                185                 190                 195
Leu Cys Ser Tyr Tyr Asn Ser Ala Leu Thr Thr Ala Val Val Gly
                200                 205                 210
Ala Ile Lys Asn Val Ser Val Ala Tyr Ile Gly Ile Leu Ile Gly
                215                 220                 225
Gly Asp Tyr Ile Phe Ser Leu Leu Asn Phe Val Gly Leu Asn Ile
                230                 235                 240
Cys Met Ala Gly Gly Leu Arg Tyr Ser Phe Leu Thr Leu Ser Ser
                245                 250                 255
Gln Leu Lys Pro Lys Pro Val Gly Glu Glu Asn Ile Cys Leu Asp
                260                 265                 270
Leu Lys Ser
```

<210> 40
<211> 206
<212> PRT
<213> Homo sapiens

<220>
<221> misc_feature
<223> Incyte ID No: 4378816CD1

<400> 40

```
Met Gly Ala Glu Trp Glu Leu Gly Ala Glu Ala Gly Gly Ser Leu
  1                 5                  10                  15
Leu Leu Cys Ala Ala Leu Leu Ala Ala Gly Cys Ala Leu Gly Leu
                 20                  25                  30
Arg Leu Gly Arg Gly Gln Gly Ala Ala Asp Arg Gly Ala Leu Ile
                 35                  40                  45
Trp Leu Cys Tyr Asp Ala Leu Val His Phe Ala Leu Glu Gly Pro
                 50                  55                  60
Phe Val Tyr Leu Ser Leu Val Gly Asn Val Ala Asn Ser Asp Gly
                 65                  70                  75
Leu Ile Ala Ser Leu Trp Lys Glu Tyr Gly Lys Ala Asp Ala Arg
                 80                  85                  90
Trp Val Tyr Phe Asp Pro Thr Ile Val Ser Val Glu Ile Leu Thr
                 95                 100                 105
Val Ala Leu Asp Gly Ser Leu Ala Leu Phe Leu Ile Tyr Ala Ile
                110                 115                 120
Val Lys Glu Lys Tyr Tyr Arg His Phe Leu Gln Ile Thr Leu Cys
                125                 130                 135
Val Cys Glu Leu Tyr Gly Cys Trp Met Thr Phe Leu Pro Glu Trp
                140                 145                 150
Leu Thr Arg Ser Pro Asn Leu Asn Thr Ser Asn Trp Leu Tyr Cys
                155                 160                 165
Trp Leu Tyr Leu Phe Phe Phe Asn Gly Val Trp Val Leu Ile Pro
                170                 175                 180
Gly Leu Leu Leu Trp Gln Ser Trp Leu Glu Leu Lys Lys Met His
                185                 190                 195
Gln Lys Glu Thr Ser Ser Val Lys Lys Phe Gln
                200                 205
```

<210> 41
<211> 235
<212> PRT
<213> Homo sapiens

<220>
<221> misc_feature
<223> Incyte ID No: 4797137CD1

<400> 41

```
Met Gln Gln Arg Gly Ala Ala Gly Ser Arg Gly Cys Ala Leu Phe
  1                 5                  10                  15
Pro Leu Leu Gly Val Leu Phe Phe Gln Gly Val Tyr Ile Val Phe
```

```
                20                  25                  30
Ser Leu Glu Ile Arg Ala Asp Ala His Val Arg Gly Tyr Val Gly
                35                  40                  45
Glu Lys Ile Lys Leu Lys Cys Thr Phe Lys Ser Thr Ser Asp Val
                50                  55                  60
Thr Asp Lys Leu Thr Ile Asp Trp Thr Tyr Arg Pro Pro Ser Ser
                65                  70                  75
Ser His Thr Val Ser Ile Phe His Tyr Gln Ser Phe Gln Tyr Pro
                80                  85                  90
Thr Thr Ala Gly Thr Phe Arg Asp Arg Ile Ser Trp Val Gly Asn
                95                 100                 105
Val Tyr Lys Gly Asp Ala Ser Ile Ser Ile Ser Asn Pro Thr Ile
               110                 115                 120
Lys Asp Asn Gly Thr Phe Ser Cys Ala Val Lys Asn Pro Pro Asp
               125                 130                 135
Val His His Asn Ile Pro Met Thr Glu Leu Thr Val Thr Glu Arg
               140                 145                 150
Gly Phe Gly Thr Met Leu Ser Ser Val Ala Leu Leu Ser Ile Leu
               155                 160                 165
Val Phe Val Pro Ser Ala Val Val Val Ala Leu Leu Leu Val Arg
               170                 175                 180
Met Gly Arg Lys Ala Ala Gly Leu Lys Lys Arg Ser Arg Ser Gly
               185                 190                 195
Tyr Lys Lys Ser Ser Ile Glu Val Ser Asp Asp Thr Asp Gln Glu
               200                 205                 210
Glu Glu Glu Ala Cys Met Ala Arg Leu Cys Val Arg Cys Ala Glu
               215                 220                 225
Cys Leu Asp Ser Asp Tyr Glu Glu Thr Tyr
               230                 235
<210> 42
<211> 147
<212> PRT
<213> Homo sapiens

<220>
<221> misc_feature
<223> Incyte ID No: 5470806CD1

<400> 42
Met Ala Ser Leu Arg Leu Phe Leu Leu Cys Leu Ala Val Leu Ile
  1                 5                  10                  15
Phe Ala Ser Glu Ala Gly Pro Gly Gly Ala Gly Glu Ser Lys Cys
                20                  25                  30
Pro Leu Met Val Lys Val Leu Asp Ala Val Arg Gly Ser Pro Ala
                35                  40                  45
Val Asp Val Ala Val Lys Val Phe Lys Lys Thr Ala Asp Gly Ser
                50                  55                  60
Trp Glu Pro Phe Ala Ser Gly Lys Thr Ala Glu Ser Gly Glu Leu
                65                  70                  75
His Gly Leu Thr Thr Asp Glu Lys Phe Thr Glu Gly Val Tyr Arg
                80                  85                  90
Val Glu Leu Asp Thr Lys Ser Tyr Trp Lys Ala Leu Gly Ile Ser
                95                 100                 105
Pro Phe His Glu Tyr Ala Glu Val Val Phe Thr Ala Asn Asp Ser
               110                 115                 120
Gly His Arg His Tyr Thr Ile Ala Ala Leu Leu Ser Pro Tyr Ser
               125                 130                 135
Tyr Ser Thr Thr Ala Val Val Ser Asn Pro Gln Asn
               140                 145
<210> 43
<211> 147
<212> PRT
<213> Homo sapiens

<220>
<221> misc_feature
<223> Incyte ID No: 5473242CD1
```

<400> 43
Met Val His Leu Thr Asp Ala Glu Lys Ala Thr Val Asn Gly Leu
1 5 10 15
Trp Gly Lys Val Asn Pro Val Glu Ile Gly Ala Glu Ser Leu Ala
20 25 30
Ser Leu Leu Ile Val Tyr Pro Trp Thr Gln Arg Tyr Phe Ser Lys
35 40 45
Phe Gly Asp Leu Ser Ser Val Ser Ala Ile Met Gly Asn Pro Gln
50 55 60
Val Lys Ala His Gly Glu Lys Val Ile Asn Ala Phe Asp Asp Gly
65 70 75
Leu Lys His Leu Asp Asn Leu Lys Gly Thr Phe Ala Ser Leu Ser
80 85 90
Glu Leu His Cys Asp Lys Leu His Val Asp Pro Glu Asn Phe Arg
95 100 105
Leu Leu Gly Asn Met Ile Val Ile Met Met Gly His His Leu Gly
110 115 120
Lys Glu Phe Thr Pro Ser Ala Gln Ala Ala Phe Gln Lys Val Val
125 130 135
Ala Gly Val Ala Ser Ala Leu Ala His Lys Tyr His
140 145

<210> 44
<211> 2701
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<223> Incyte ID No: 264114CB1

<400> 44
gcggcggcgc cagcttcctc ggccggaggg gaggcgagac cccaggcgag gccgcggcgg 60
gagggccacg cccccgacgc cgcgccggag gggcccagtg tggacggggc caccggctgg 120
agcggatccc acacctccgg accgagggac gcggttactc cacaggatcc gctgaacata 180
ggatgttgcc acaaaatcta cctcgtgtat ttttctcttt cactcatgag ctgcacaatt 240
gcagatttga gcacaatgtc tgcagactgt gttgaaaaac tctgaagaac ctaattaaca 300
caggatgacc taggagtgat tctaagtctg tgtaacaaga tattactcat tagtgaatgt 360
gtcagtcttg gtactgaatg ctgcagataa cagcaagtag gttctccttt atttctgaag 420
tattcacttg accttccatc agtaagacgg acttttctaa tctgttcctg gagatattaa 480
tggaatacag tcatgtccac tcaagacgag aggcagatca atactgaata tgctgtgtca 540
ttgttggaac agttgaaact gttttatgaa cagcagttgt ttactgacat agtgttaatt 600
gttgagggca ctgaattccc ttgtcataag atggttcttg caacatgtag ctcttatttc 660
agggccatgt ttatgagtgg actaagtgaa agcaaacaaa cccatgtaca cctgaggaat 720
gtcgatgctg ccaccttaca gataataata acttatgcat acacgggtaa cttggcaatg 780
aatgacagca ctgtagaaca gctttatgaa acagcttgct tcctacaggt agaagatgtg 840
ttacaacgtt gtcgagaata tttaattaaa aaaataaatg cagagaattg tgtacgattg 900
ttgagttttg ctgatctctt cagttgtgag gaattaaaac agagtgctaa aagaatggtg 960
gagcacaagt tcactgctgt gtatcatcag gacgcgttca tgcagctgtc acatgaccta 1020
ctgatagata ttctcagtag tgacaattta aatgtagaaa aggaagaaac cgttcgagaa 1080
gctgctatgc tgtggctaga gtataacaca gaatcacgat cccagtattt gtcttctgtt 1140
cttagccaaa tcagaattga tgcactttca gaagtaacac agagagcttg gtttcaaggt 1200
ctgccaccca atgataagtc agtggtggtt caaggtctgt ataagtccat gcccaagttt 1260
ttcaaaccaa gacttgggat gactaaagag gaaatgatga ttttcattga agcatcttca 1320
gaaaatcctt gtagtcttta ctcttctgtc tgttacagcc cccaagcaga aaaagtttac 1380
aagttatgta gcccaccagc tgatttgcat aaggttggga ccgttgtaac tcctgataat 1440
gatatctaca tagcaggggg tcaagttcct ctgaaaaaca caaaaacaaa tcacagtaaa 1500
acaagcaaac ttcagactgc cttcagaact gtgaattgct tttattggtt tgatgcacag 1560
caaaatacct ggtttccaaa gaccccaatg ctttttgtcc gcataaagcc atctttggtt 1620
tgctgtgaag gctatatcta tgcaattgga ggagatagcg taggtggaga acttaatcgg 1680
aggaccgtag aaagatacga cactgagaaa gatgagtgga cgatggtaag ccctttacct 1740
tgtgcttggc aatggagtgc agcagttgtg gttcatgact gcatttatgt gatgacactg 1800
aacctcatgt actgttattt tccaaggtct gactcatggg tagaaatggc catgagacag 1860
actagtaggt cctttgcttc agctgcagct tttggtgata aaattttcta tattggaggg 1920
ttgcatattg ctaccaattc cggcataaga ctcccctctg gcactgtaga tgggtcttca 1980
gtaactgtgg aaatttatga tgtgaataaa aatgagtgga aaatggcagc caacatccct 2040
gctaagaggt actctgaccc ctgtgttaga gctgttgtga tctcaaattc tctatgtgtg 2100
tttatgcgag aaacccactt aaatgagcga gctaaatacg tcacctacca atatgacctg 2160
gaacttgacc ggtggtctct gcggcagcat atatctgaac gtgtactgtg ggacttgggg 2220

agagattttc gatgcactgt ggggaaactc tatccatcct gccttgaaga gtctccatgg 2280
aaaccaccaa cttatctttt ttcaacggat gggacagaag agtttgaact ggatggagaa 2340
atggttgcac taccacctgt atagtgggga agttcaggga gtgcacgcct gagttatgtg 2400
ctttgtcatt ttctttgcta aacaaaagag gctatgaaag aactaaatat gagtacataa 2460
aattctatct ttgataaatt ttatttttat gccctactta atatttgcat cagtataata 2520
tatatcagtg agtcttacag aaagatatgc ttccataata tgaaatagat tattcaataa 2580
ttgagaaact ttatgtgtaa tcatgagagt ataagaatct ggattatcta acattgttag 2640
ccctgtgtat gtacagttca aaaagttcat ttataaaagt agtttcctgt tcctagttga 2700
t 2701

<210> 45
<211> 736
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<223> Incyte ID No: 1455669CB1

<400> 45
gagacttagc gacagacaga cgctgggacc cacgacgaca gaaggcgccg atggccgcgc 60
ctgctgagcc ctgcgcgggg caggggggtct ggaaccagac agagcctgaa cctgccgcca 120
ccagcctgct gagcctgtgc ttcctgagaa cagcaggggt ctgggtaccc cccatgtacc 180
tctgggtcct tggtcccatc tacctcctct tcatccacca ccatggccgg ggctacctcc 240
ggatgtcccc actcttcaaa gccaagatgg tagctgccat ccctgggagc ctggaaccag 300
gcaatgttcg ggggaggcag gggacaggct ggaacctggt gaagtcttaa agtagactcc 360
tcctatcggg gtgtagaagg gaatctgtta atcaaacaga gcaatattag aaaggctaca 420
gaggtcaact cagtggaaca cggttctccc aaacagattt tgtaattccg aaaatccacg 480
catgcgcaaa catacgcata cactcccatg ttcctggaca gtttatagct accataacct 540
ggcattttcc aaaacatacc atgtagactc ttggatacac aaggtaattt tagagccaca 600
ttaggatgaa ccttttaaaa agttatgcat ttatttttat gttcccccac tggctgtatt 660
ataggacaat ttttatatgt gatatgtatt taccttagtg tgttaaataa acactggcat 720
tccaagtgtg aaaaaa 736

<210> 46
<211> 1826
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<223> Incyte ID No: 2084989CB1

<400> 46
ccttaggcgc cagggacagc cgagcgttac ctggtcccgg gcagcggagt tctttaccca 60
ccccagttct ggttctgacg ccctagctca ttccgcaaat ttagggcttg ggtctggctt 120
gttcccctcc ggctcgaacc acctcttctc tgagccgagc cagctaccgg ggctcctgga 180
attgccaccc ctccctgggc acccttgagg cctccgtgga gggacgtcac ggggcagagc 240
gggacgtgag cctgagtttg ctgcaggcgt gctctgtgtg gtggctgggt tctgccaatc 300
cccgtgccca ccgggtgggc gcggccggga agctcctgcc cctccctgct ggtcggcgtc 360
acgcgtgacg tcccgcgtga tggctgggag ggcccggcgg cgacagcgga ggcagagagg 420
aaggcggttc tgagagcttc agagagcgat ggaaagcaaa atgggtgaat tgcctttaga 480
catcaacatc caggaacctc gctgggacca aagtactttc ctgggcagag cccggcactt 540
tttcactgtt actgatcctc gaaatctgct gctgtccggg gcacagctgg aagcttctcg 600
gaacatcgtg cagaactaca gggccggcgt ggtgacccca gggatcaccg aggaccagct 660
gtggagggcc aagtatgtgt atgactccgc cttccatccg gacacagggg agaaggtggt 720
cctgattggc cgcatgtcag cccaggtgcc catgaacatg accatcactg gctgcatgct 780
cacattctac aggaagaccc caaccgtggt gttctggcag tgggtgaatc agtccttcaa 840
tgccattgtt aactactcca accgcagtgg tgacactccc atcactgtga ggcagctggg 900
gacagcctat gtgagtgcca ccactggagc tgtggccacg gccctgggac tcaaatccct 960
caccaagcac ctgccccccct tggtcggcag atttgtgccc tttgcagcag tggcagctgc 1020
caactgcatc aacatccccc tgatgaggca gagagagctg caggtgggca tcccggtggc 1080
tgatgaggca ggtcagaggc ttggctactc ggtgactgca gccaagcagg gaatcttcca 1140
ggtggtgatt tcaagaatct gcatggcgat tcctgccatg gccatcccac cactgatcat 1200
ggacactctg gagaagaaag acttcctgaa ggtaggcgac tgtacctctc ttgtcctgga 1260
atgggcgatg gctgggagaa gtgaccaggc cccaactctc tctccagcct cgcctgattc 1320
tctaagactt gccagccctt ctcctgaccc ctgcaccgcc tcctccacct tcgttcattc 1380
agcaagaatg aactgggctg gggtgaagga actctgcagg ggcaggagga gaggacaaag 1440

gaaggaaacc aacttcatca gtgttactcc agtggcttct gacacacaga aggggactgt 1500
catagtcatg cttgatctca tgctcattct tttacccccc agtgcctcca tactgagagg 1560
tacacacggg tgaacacgca cacacagaca tgaacaggac acgaaagcaa agcacaggaa 1620
caagctctgg ctcattcaca gaatcattta ttcacaaatg tattgagtgc catgcaccag 1680
gcatgtttta gggctgagga gatggcactg aacacaatgg ttatggcccc tgtcctcatg 1740
aagtttatag tctgatgcag aaaccaataa acaaggaggc acccacataa atacattctt 1800
agaaagtgta aaaataaaaa aaaaaa 1826

<210> 47
<211> 1325
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<223> Incyte ID No: 2501034CB1

<400> 47
ccacgggtcc ggttctggac tgcagttgag tggaaatggg caacggcggg cggagcggcc 60
tgcagcaggg gaaggggaac gtggatgggg tggcagcgac tcctactgct gcctcggcct 120
cctgccagta caggtgcatc gaatgcaacc aggaggccaa agagttgtac cgagactata 180
accacggtgt gctgaagata accatctgta aatcctgcca gaaacctgta gacaaatata 240
tcgagtatga tcctgttatc atcttgatta atgctatatt gtgcaaagct caggcctaca 300
gacatattct tttcaatact caaataaata tccatggaaa actctgcata ttttgtttgc 360
tttgtgaagc atacctgagg tggtggcagc ttcaagattc caaccagaat actgcccctg 420
atgacttgat cagatatgct aaggaatggg atttctatag aatgtttgcg attgctgctt 480
tagaacaaac tgcctatttt attggcattt ttaccttcct gtgggtagaa cggcccatga 540
cggcaaaaaa aaagcccaac ttcattttgc tgctgaaagc attattatta tctagctacg 600
gaaaactctt gctgattcca gctgtcattt gggaacatga ctacacatct gtgtgcctca 660
aactcattaa agtatttgtt cttacatcaa attttcaggc aattagagtg accctaaaca 720
tcaaccgtaa gctctccttc ttggccgtgt tgagtggctt actgctggaa agcatcatgg 780
tctacttctt ccagagtatg gaatgggatg ttggaagtga ttatgccatc tttaaatctc 840
aggacttctg aagagtttta ttcttcttca ctatctgtgg catgaccagc tgtatctgaa 900
agagaaaaga catgaaatat aaaccaacct cctcatttct gttgagtaaa atgaagcaaa 960
gattggaaac actttctgaa aaagaaagca atgataatag cggtggatac ccacccccac 1020
aaatgcaccc aagagacaag ccatttacat acagatattc acagtcacac atagaaacac 1080
ccacatggac acaaggaatg ttgctgcaga gactgaatga catgcaacag gtgaaggttt 1140
atacgttata cacaaggcca ggtaagcgct cataattcac acataataaa acatctaggt 1200
ttcattcctt tgacatgttt atatcttttt aatttaaatg ttgttactgg cttaaaatat 1260
tttgtgttct tacaatagaa acgcttttaa taaagtcttt cagaataaac caaaaaaaaa 1320
aaaaa 1325

<210> 48
<211> 1832
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<223> Incyte ID No: 2745212CB1

<400> 48
tgggctgtcg ttggctggag cagcggctgc gcgggtcgcg gtgctgtgag gtctgcgggc 60
gctggcaaat ccggcccagg atgtagagct ggcagtgcct gacggcgcgt ctgacgcgga 120
gttgggtggg gtagagagta gggggcggta gtcgggggtg gtgggagaag gaggaggcgg 180
cgaatcactt ataaatggcg ccgaagcagg acccgaagcc taaattccag gagggtgagc 240
gagtgctgtg ctttcatggg cctcttcttt atgaagcaaa gtgtgtaaag gttgccataa 300
aggacaaaca agtgaaatac ttcatacatt acagtggttg gaataaaaat tgggatgaat 360
gggttccgga gagcagagta ctcaaatacg tggacaccaa tttgcagaaa cagcgagaac 420
ttcaaaaagc caatcaggag cagtatgcag aggggaagat gagaggggct gccccaggaa 480
agaagacatc tggtctgcaa cagaaaaatg ttgaagtgaa aacgaaaaag aacaaacaga 540
aaacacctgg aaatggagat ggtggcagta ccagtgagac ccctcagcct cctcggaaga 600
aaagggcccg ggtagatcct actgttgaaa atgaggaaac attcatgaac agagttgaag 660
ttaaagtaaa gattcctgaa gagctaaaac cgtggcttgt tgatgactgg gacttaatta 720
ccaggcaaaa acagctcttt tatcttcctg ccaagaagaa tgtggattcc attcttgagg 780
attatgcaaa ttacaagaaa tctcgtggaa acacagataa taaggagtat gcggttaatg 840
aagttgtggc agggataaaa gaatacttca acgtaatgtt gggtacccag ctactctata 900
aatttgagag accacagtat gctgaaattc ttgcagatca tcccgatgca cccatgtccc 960

aggtgtatgg agcgccacat ctcctgagat tatttgtacg aattggagca atgttggctt 1020
atacacctct ggatgagaag agccttgctt tattactcaa ttatcttcac gatttcctaa 1080
agtacctggc aaagaattct gcaactttgt tcagtgccag cgattatgaa gtggctcctc 1140
ctgagtacca tcggaaagct gtgtgagagg cactctcact cacttatgtt tggatctccg 1200
taaacacatt tttgttctta gtctatctct tgtacaaacg atgtgctttg aagatgttag 1260
tgtataacaa ttgatgtttg ttttctgttt gattttaaac agagaaaaaa taaaaggggg 1320
taatagctcc ttttttcttc tttctttttt tttttcattt caaaattgct gccagtgttt 1380
tcaatgatgg acaacagagg gatatgctgt agagtgtttt attgcctagt tgacaaagct 1440
gcttttgaat gctggtggtt ctattccttt gacactacgc acttttataa tacatgttaa 1500
tgctatatga caaaatgctc tgattcctag tgccaaaggt tcaattcagt gtatataact 1560
gaacacactc atccatttgt gcttttgttt ttttttatgg tgcttaaagt aaagagccca 1620
tcctttgcaa gtcatccatg ttgttactta ggcattttat cttggctcaa attgttgaag 1680
aatggtggct tgtttcatgg tttttgtatt tgtgtctaat gcacgtttta acatgataga 1740
cgcaatgcat tgtgtagcta gttttctgga aaagtcaatc ttttaggaat tgtttttcag 1800
atcttcaata aatttttttct ttaaatttca aa 1832

<210> 49
<211> 1211
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<223> Incyte ID No: 4833111CB1

<400> 49
gacagacccg cctcaaacat ggcggcgccc agcgcgcgag gacgtgatcc gcttctgctc 60
cggcttggat tgtagccttg acgaggtctg agcgaccatg gaccggccgg ggttcgtggc 120
agcgctggtg gctggtgggg tagcaggtgt ttctgttgac ttgatattat ttcctctgga 180
taccattaaa accaggctgc agagtcccca aggatttagt aaggctggtg gttttcatgg 240
aatatatgct ggcgttcctt ctgctgctat tggatccttt cctaatgctg ctgcattttt 300
tatcacctat gaatatgtga agtggttttt gcatgctgat tcatcttcgt atttgacacc 360
tatgaaacat atgttggctg cctctgctgg agaagtggtt gcctgcctga ttcgagttcc 420
atctgaagtg gttaagcaga gggcacaggt atctgcttct acaagaacat ttcagatttt 480
ctctaacatc ttatatgaag agggtatcca agggttgtat cgaggctata aaagcacagt 540
tttaagagag attccttttt ctttggtcca gtttccctta tgggagtcct taaaagccct 600
ctggtcctgg aggcaggatc atgtggtgga ttcttggcag tcagcagtct gtggagcttt 660
tgcaggtgga tttgccgctg cagtcaccac ccctctagac gtggcaaaga caagaattac 720
gctggcaaag gctggctcca gcactgctga tgggaatgtg ctctctgtcc tgcatggggt 780
ctggcggtca caggggctgg caggattatt tgcaggtgtc ttccctcgaa tggcagccat 840
cagtctggga ggtttcatct ttctgggggc ttatgaccga acgcacagct tgctgttgga 900
agttggcaga aagagtcctt gaagcagaga caagcctcac ctccacttct gtcaagagag 960
gggcctgcag tgcaaaccct cttccgctga gcagctgtct gaactatagg ccccagtgct 1020
gaagaccagt tgtgctaaga taccggcatg gagattgtgc catccgtggt ataggctggc 1080
tggtatgaag tcattggcct gtatgccaga gagctaagag aagaaaacgg ggtctgtggc 1140
ggtactctga acaatttcct cagaacctct taataaataa gtttggtaat gctgagaaaa 1200
aaaaaaaaaa a 1211

<210> 50
<211> 1046
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<223> Incyte ID No: 876677CB1

<400> 50
cccacgcgtc cgggaatgtc tttcactctc tcatactttc tcctctcccc tctcccaagc 60
acatctgagt tgctgcctgt tcttcacact tagctccaaa cccatgaaaa attgccaagt 120
ataaaagctt ctcaagaatg agatggattc tagggtgtct tcacctgaga agcaagataa 180
agagaatttc gtgggtgtca acaataaacg gcttggtgta tgtggctgga tcctgttttc 240
cctctctttc ctgttggtga tcattacctt ccccatctcc atatggatgt gcttgaagat 300
cattaaggag tatgaacgtg ctgttgtatt ccgtctggga cgcatccaag ctgacaaagc 360
caaggggcca ggtttgatcc tggtcctgcc atgcatagat gtgtttgtca aagttgacct 420
ccgaacagtt acttgcaaca ttcctccaca agagatcctc accagagact ccgtaactac 480
tcaggtagat ggagttgtct attacagaat ctatagtgct gtctcagcag tggctaatgt 540
caacgatgtc catcaagcaa catttctgct ggctcaaacc actctgagaa atgtcttagg 600

gacacagacc ttgtcccaga tcttagctgg acgagaagag atcgcccata gcatccagac 660
tttacttgat gatgccaccg aactgtgggg gatccgggtg gcccgagtgg aaatcaaaga 720
tgttcggatt cccgtgcagt tgcagagatc catggcagcc gaggctgagg ccacccggga 780
agcgagagcc aaggtccttg cagctgaagg agaaatgaat gcttccaaat ccctgaagtc 840
agcctccatg gtgctggctg agtctcccat agctctccag ctgcgctacc tgcagacctt 900
gagcacggta gccaccgaga agaattctac gattgtgttt cctctgccca tgaatatact 960
agagggcatt ggtggcgtca gctatgataa ccacaagaag cttccaaata aagcctgagg 1020
tcctcttgcg gtagtcagct attgca 1046

<210> 51
<211> 1660
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<223> Incyte ID No: 2326143CB1

<400> 51
gctcccctgc ccaccccgcc cccgtggccg agcccgggag tcgagtggga gtcggccggc 60
cggcgcgggc agccgtgacc cccgcggggg acactgcagc cggagcccgg gaggggccgc 120
gccgccaccg tctgaactag gatgtcccga catgaaggtg tcagctgtga tgcatgttta 180
aaaggaaatt ttcgaggtcg cagatataag tgtttaattt gctacgatta cgatctttgt 240
gcatcttgtt atgaaagtgg tgcaacaaca acaaggcata caactgacca cccaatgcag 300
tgcatattaa caagggtaga ttttgattta tactatggtg gggaagcttt ctctgtagag 360
cagccacagt cttttacttg tccctattgt ggaaaaatgg gctatacgga gacatctctt 420
caagaacatg ttacttctga acatgcagaa acatcaacag aagtgatttg tccaatatgt 480
gcagcgttac ctggaggcga tcctaatcat gtcacggatg actttgcagc tcatcttaca 540
cttgaacaca gagcccctag agatttagat gaatcgagtg gtgttcgaca tgtacgtaga 600
atgtttcacc ctggccgggg attaggaggt cctcgtgctc gtagatcaaa catgcacttt 660
actagcagtt ctactggtgg actttcttct tctcagagtt catattctcc aagcaatagg 720
gaagccatgg atcctatagc tgagctttta tctcagttat caggagtgag acgttctgca 780
ggaggacagc ttaattcctc tggcccttcc gcttctcagt tacaacaact gcagatgcag 840
ctgcagctag aacggcagca tgcccaggca gcacggcaac aactggagac cgcacgcaac 900
gcaacccggc gtactaacac aagcagtgtc accactacaa tcacacaatc cacagcaaca 960
accaacatag ctaatacaga aagcagtcag cagactctac agaattccca gtttctttta 1020
acaaggttga atgatcctaa aatgtctgaa acggagcgcc agtccatgga aagcgagcgt 1080
gcagaccgca gcctgtttgt ccaagagctc cttctgtcca ctttagtgcg tgaagagagc 1140
tcatcctcag atgaggatga tcgggggggag atggcagatt ttggtgctat gggctgtgta 1200
gatattatgc ctttagatgt tgctttagaa aacctaaatt taaaagagag taataaagga 1260
aatgagcctc caccacctcc tctttgatga catcccaatt cgcagacaat gtcctctgtg 1320
ctgtatttgc caatgaaagt ggacaacaac tatcttgggt ttgtttggtg attgtaattt 1380
caggtctgtc actcttgtta cattgtgtac attcaaaagg aagagagaaa atatatatga 1440
taatcatttc cacttaacta atttttactt ctagcaggta aatgtaggta gcagtgcagg 1500
ggtgatctct gcttcctgta ccttgacatg caaaaggctc tcctaatact ccacattcaa 1560
actgaagagg aaaattgaaa tctctaatga agctgctgtg tgtatttatg aatattaatg 1620
aataaaaact gcttggatgg tttaccttaa aaaaaaaaaa 1660

<210> 52
<211> 1110
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<223> Incyte ID No: 2786302CB1

<400> 52
cctttattag agaaagagtg acctatctac cccttacttg gggaagactc tctgcttcaa 60
cagtttcttc tgtcttctgc tcctggacat ggcatgaaaa cggaagtttg agtatttcaa 120
ggataaagaa taactctagg acaagagttg ctttggggct aaacctatct cctgtattca 180
tttagatttg gctttaaaag cccatactat tttattagct cttctatgct ttttaaaagt 240
ttttaaaaaa attaatgtgg gctttttaat tctttctcag tgggagggtg agtttgaata 300
aacctttctt ccacatgaga agtattttac aagttgcttg tcaaatttaa aagaaaatga 360
tcaaatcttc aagaaaatga tcaaatcttc tgtgacaaaa aaatggacaa atattcacca 420
ttgagtgtga atgccatggt gatgctaatt ctgattattt ttcttttctt ttagccatac 480
cttcagagtg ttatttttcct ttttgtcata aggtgtctgg aaatgaagta tggaaatgaa 540
ataatgaata aagacccagt tttcagaatc tctccacgga gtagagaaac tcatcccaat 600

ccggaagagc ccgaagaaga agatgaagat gttcaagctg aaagagtcca agcagcaaat 660
gcactcactg ctccaaactt ggaggaggaa ccagtcataa ctgcaagctg tttacacaag 720
gaatattatg agacaaagaa aagttgcttt tcaacaagaa agaagaaaat agccatcaga 780
aatgtttcct tttgtgttaa aaaaggtgaa gttttgggat tactaggaca caatggagct 840
ggtaaaagta cttccattaa aatgataact gggtgcacaa agccaactgc aggagtggtg 900
gtgttacaag gcagcagagc atcagtaagg caacagcatg acaacagcct caagttcttg 960
gggtactgcc ctcaggagaa ctcactgtgg cccaagctta ccatgaaaga gcacttggag 1020
ttgtatgcag ctgtggaaag actggggcaa aaaagatgct gctctcagta tttcacgatt 1080
ggtgggaggt cttaagctcc aggaacaact 1110

<210> 53
<211> 1120
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<223> Incyte ID No: 3735780CB1

<400> 53
gaaatccagt tatcaaaatt gactcaagaa gagagaacct aacagaacaa taacaatgga 60
agaaattggg aacattatca caaagctatc atcctgccaa actccaggct cagatgtcac 120
aggttaaaaa aagtccttca tgaaaaagaa agatcttaag cagcatgatg gattcagaag 180
ctcatgaaaa gaggccacca atactaacat cttcaaaaca agatatatca cctcatatta 240
caaatgttgg tgagatgaag cattacttgt gtggctgctg tgcagccttc aacaatgtcg 300
caatcacatt tcccattcag aaggtcctct ttcgacaaca gctgtatggc atcaaaaccc 360
gggatgcaat acttcagttg agaagggatg gatttcgaaa tttgtatcgt ggaatccttc 420
ccccattgat gcagaagaca actacgcttg cacttatgtt tggtctgtat gaggatttat 480
cctgccttct ccacaagcat gtcagtgctc cagagtttgc aaccagtggc gtggcggcag 540
tgcttgcagg gacaacagaa gcaattttca ctccactgga aagagttcag acattgcttc 600
aagaccacaa acatcatgac aaatttacca acacttacca ggctttcaag gcactgaaat 660
gtcatggaat tggagagtat tatcgaggct tggtgcccat tcttttccgg aatggactca 720
gcaatgtctt gtttttcggc cttcgaggtc ccattaagga gcatctgcct accgcaacga 780
ctcacagtgc tcatctggtc aatgatttta tctgtggagg tctattgggt gccatgttgg 840
gattcttgtt ttttccaatt aatgttgtaa aaactcgcat acagtctcag attggtgggg 900
aatttcagtc tttccccaag gttttccaaa aaatctggct ggaacgggac agaaaactga 960
taaatctttt cagaggtgcc catctgaatt accatcggtc cctcatctct tggggcataa 1020
tcaatgcaac ttatgagttc ttgttaaagg ttatatgaaa aaaccatcag ttaagtgcca 1080
tttatcaact gaatagacct tctaagaaga aaaaaaaaaa 1120

<210> 54
<211> 886
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<223> Incyte ID No: 039026CB1

<400> 54
ggccgcggct cctgtccaga ccctgaccct ccctcccaag gctcaaccgt cccccaacaa 60
ccgccagcct tgtactgatg tcggatgcga gagcctgtgc ttaagtaaga atcaggcctt 120
attggagaca ttcaagcaaa ggttggacaa ctacttttcc agaacagaaa ggaaactcat 180
gcatcagaaa aggtgactaa taaaggtacc agaagaatat ggctgcacaa ataccagaat 240
ctgatcagat aaaacagttt aaggaatttc tggggaccta caataaactt acagagacct 300
gctttttgga ctgtgttaaa gacttcacaa caagagaagt aaaacctgaa gagaccacct 360
gttcagaaca ttgcttacag aaatatttaa aaatgacaca aagaatatcc atgagatttc 420
aggaatatca tattcagcag aatgaagccc tggcagccaa agcaggactc cttggccaac 480
cacgatagag aagtcctgat ggatgaactt ttgatgaaag attgccaaca gctgctttat 540
tggaaatgag gactcatctg atagaatccc ctgaaagcag tagccaccat gttcaaccat 600
ctgtcatgac tgtttggcaa atggaaaccg ctggagaaac aaaattgcta tttaccagga 660
ataatcacaa tagaaggtct tattgttcag tgaaataata agatgcaaca tttgttgagg 720
ccttatgatt cagcagcttg gtcacttgat tagaaaaata aaccattgtt tcttcaattg 780
tgactgttaa ttttaaagca acttatgtgt tcgatcatgt atgagataga aaaattttta 840
ttactcaaag taaaataaat ggaaatatca ctgaaaaaaa aaaaaa 886

<210> 55
<211> 2336

<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<223> Incyte ID No: 260607CB1

<400> 55
taatacgctc actataggga atttggccct cgagcagtaa ttcggcacga ggaccatctc 60
tttaggatat atttttaaat tctttgaaac acataaccaa aatggtttga ttcactgact 120
gactttgaag ctgcatctgc cagttacacc ccaaatggct ttaatcccct ctcgggtctg 180
gttgcctttt gcagtttggg ttgtggactc agctcctgtg aggggtctgg ttaggagaga 240
gccattttta aggacaggga gttttatagc ccttttctac tttcctcccc tcctcccagt 300
ccttatcaat ctttttttcct ttttcctgac cccctccttc tggaggcagt tgggagctat 360
ccttgtttat gcctcactat tggcagaaaa gaccccattt aaaacccaga gaacactgga 420
gggggatgct ctagttggtt ctgtgtccat tttcctctgt gccaaagaca gacagacaga 480
ggctgagaga ggctgttcct gaatcaaagc aatagccagc tttcgacaca tacctggctg 540
tctgaggagg aaggcctcct ggaaactggg agctaagggc gaggcccttc ccttcagagg 600
ctcctggggg attagggtgt ggtgtttgcc aagccaaggg gtagggagcc gagaaattgg 660
tctgtcggct cctggttgca ctttggggaa ggagaggaag tttggggctc caggtagctc 720
cctgttgtgg gactgctctg tcccctgccc ctactgcaga gatagcactg ccgagttccc 780
ttcaggcctg gcagacgggc agtgaggagg ggcctcagtt agctctcaag ggtgccttcc 840
cctcctccca acccagacat accctctgcc aaactgggaa ccagcagtgc tagtaactac 900
ctcacagagc cccagagggc ctgcttgagc cttcttgctc cacaggagaa gctggtgcct 960
ctaggcaacc ccttcctccc acctctcatc aggggtgggg gttctccttt ctttcccctg 1020
aagtgtttat ggggagatcc tagtggcttt gccattcaaa ccactcgact gtttgcctgt 1080
ttcttgaaaa ccagtagaag ggaaacagca cagcctgtca cagtaattgc aggaagattg 1140
aagaaaaatc ctcatcaatg ccaggggaca taaaagccat ttcccttcca aatactcgac 1200
aatttagatg cagaacattt ctctgtattc agacttagag taacaccagc tgaaaactgc 1260
agtttctttc ctttggatac ataaggcttc tctatcgggg tacgggacag ggaggaggcc 1320
tcatgtctga agggggattt aggggcgaga gccgcagccc tgaccctcgg tcctgtgcac 1380
cgctttgggg cacagtctga tggcgccttt gctggcgcct tagtatggtt gactccggat 1440
ggacaaaaga aaaaaaattt tttttcttga atgaaatagc aggaagctcc tcgggagcat 1500
gtgttttgat taaccgtagt gatggatgct acgagtataa atggattaac tacctcaatc 1560
cttacagtaa gattggaact aagggcaggg actcatgcat aagggtatga atcccagcca 1620
ggacaagtga gttgaggctt gtgccacaaa aggtttgtcc ttggggaaca ggcaggcctg 1680
ccaggatccc ccccatatcg attgggctgg gagggctggc cgtgaggtcc ccactttctg 1740
ctttccttgc ccatgtgtca ccccttggc ctccagcttg tccctctctc actttctata 1800
gctttgttgg accagatggt gaggaaagga atggcctctt cccttctaga gggggctggc 1860
tggagtgaga cctggggctt ggcctggaac ccaccacaca gccccaaagt caggaagcct 1920
ggggaaacca gagctgagac ctcttcaaca gggtttcttt gagatcctac acctccattg 1980
ggccctttt cagtcttcaa tgggggccca gttggctcta gaaggagaag aggtgaagca 2040
ggatcctttg ccctggggga gtctgagggc gcggtccttg gactcattca ggccgtcttt 2100
gtagttgggg gagttccact gggcgatccc agcccctccc cacccaccct ctaatggacc 2160
tcctcataga agccccattt cacttttgtt ttatctacct cttagcaaaa caatagataa 2220
attaggtagt ggcagctcca cttgcttagg ttaggggggg aaaaagattt ctttttccaa 2280
aggaaaaaaa tattaccttg agaatacttt ccaaaaaata aaatttaaaa aaaaaa 2336

<210> 56
<211> 2200
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<223> Incyte ID No: 1429651CB1

<400> 56
gagaacttta cgcctggatc tcatctaact gacacagaaa ccctgtaagg atccagaggt 60
ctcgttcagg accatggaga gcggcaccag cagccctcag cctccacagt tagatccccc 120
ggatgcgttt ccccagaagg gcttggagcc tggggacatc gcggtgctag ttctgtactt 180
cctctttgtc ctggctgttg gactatggtc cacagtgaag accaaaagag acacagtgaa 240
aggctacttc ctggctggag gggacatggt gtggtggcca gtgggtgcat ccttgtttgc 300
cagcaatgtt ggaagtggac atttcattgg cctggcaggg tcaggtgctg ctacgggcat 360
ttctgtatca gcttatgaac ttaatggctt gttttctgtg ctgatgttgg cctggatctt 420
cctacccatc tacattgctg gtcaggtcac cacgatgcca gaatacctac ggaagcgctt 480
cggtggcatc agaatcccca tcatcctggc tgtactctac ctatttatct acatcttcac 540
caagatctcg gtagacatgt atgcaggtgc catcttcatc cagcagtctt tgcacctgga 600

tctgtacctg gccatagttg ggctactggc catcactgct gtatacacgg ttgctggtgg 660
cctggctgct gtgatctaca cggatgccct gcagacgctg atcatgctta taggagcgct 720
caccttgatg ggctacagtt tcgccgcggt tggtgggatg gaaggactga aggagaagta 780
cttcttggcc ctggctagca accggagtga gaacagcagc tgcgggctgc cccgggaaga 840
tgccttccat attttccgag atccgctgac atctgatctc ccgtggccgg gggtcctatt 900
tggaatgtcc atcccatccc tctggtactg gtgcacggat caggtgattg tccagcggac 960
tctggctgcc aagaacctgt cccatgccaa aggaggtgct ctgatggctg catacctgaa 1020
ggtgctgccc ctcttcataa tggtgttccc tgggatggtc agccgcatcc tcttcccaga 1080
tcaagtggcc tgtgcagatc cagagatctg ccagaagatc tgcagcaacc cctcaggctg 1140
ttcggacatc gcgtatccca aactcgtgct ggaactcctg cccacagggc tccgtgggct 1200
gatgatggct gtgatggtgg cggctctcat gtcctccctc acctccatct ttaacagtgc 1260
cagcaccatc ttcaccatgg acctctggaa tcacctccgg cctcgggcat ctgagaagga 1320
gctcatgatt gtgggcaggg tgtttgtgct gctgctggtc ctggtctcca tcctctggat 1380
ccctgtggtc caggccagcc agggcggcca gctcttcatc tatatccagt ccatcagctc 1440
ctacctgcag ccgcctgtgg cggtggtctt catcatggga tgtttctgga agaggaccaa 1500
tgaaaagggt gccttctggg gcctgatctc gggcctgctc ctgggcttgg ttaggctggt 1560
cctggacttt atttacgtgc agcctcgatg cgaccagcca gatgagcgcc cggtcctggt 1620
gaagagcatt cactacctct acttctccat gatcctgtcc acggtcaccc tcatcactgt 1680
ctccaccgtg agctggttca cagagccacc ctccaaggag atggtcagcc acctgacctg 1740
gtttactcgt cacgaccccg tggtccagaa ggaacaagca ccaccagcag ctcccttgtc 1800
tcttaccctc tctcagaacg ggatgccaga ggccagcagc agcagcagcg tccagttcga 1860
gatggttcaa gaaaacacgt ctaaaaccca cagctgtgac atgaccccaa agcagtccaa 1920
agtggtgaag gccatcctgt ggctctgtgg aatacaggag aagggcaagg aagagctccc 1980
ggccagagca gaagccatca tagtttccct ggaagaaaac cccttggtga agaccctcct 2040
ggacgtcaac ctcatttttct gcgtgagctg cgccatcttt atctggggct attttgctta 2100
gtgtggggtg aacccagggg tccaaactct gtttctcttc agtgctccat ttttttaatg 2160
aaagaaaaaa taataaagct tttgtttacc aaaaaaaaaa 2200

<210> 57
<211> 2823
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<223> Incyte ID No: 2069971CB1

<400> 57
gaaagacata cacacttcat gtaatgctac ctgcaagtct ccctagaaaa gcagtttttg 60
taggtgaaaa caatgaagcc aggtaatatt gcaaggaggc tgtaatttta gcagacctac 120
caacaacact gatgtaggaa gctcattatt ttaatttctg gagcctttta atttttttctt 180
tagaaagtgt ataaataatt gcagtgctgc tttgcttcca aaactgggca gtgagttcaa 240
caacaacgac aacaacagcc gcagctcatc ctggccgtca tggagtttct tgaaagaacg 300
tatcttgtga atgataaagc tgccaagatg tatgctttca cactagaaag aaggagctgc 360
aaatgaacac ttcatagcaa tgtggaactc caacagaaac cggtgaataa agatcagtgt 420
cccagagaga gaccagagga gctggagtca ggaggcatgt accactgcca cagtggctcc 480
aagcccacag aaaagggggc gaatgagtac gcctatgcca agtggaaact ctgttctgct 540
tcagcaatat gcttcatttt catgattgca gaggtcgtgg gtgggcacat tgctgggagt 600
cttgctgttg tcacagatgc tgcccacctc ttaattgacc tgaccagttt cctgctcagt 660
ctcttctccc tgtggttgtc atcgaagcct ccctctaagc ggctgacatt tggatggcac 720
cgagcagaga tccttggtgc cctgctctcc atcctgtgca tctgggtggt gactggcgtg 780
ctagtgtacc tggcatgtga gcgcctgctg tatcctgatt accagatcca ggcgactgtg 840
atgatcatcg tttccagctg cgcagtggcg gccaacattg tactaactgt ggttttgcac 900
cagagatgcc ttggccacaa tcacaaggaa gtacaagcca atgccagcgt cagagctgct 960
tttgtgcatg cccttggaga tctatttcag agtatcagtg tgctaattag tgcacttatt 1020
atctactttа agccagagta taaaatagcc gacccaatct gcacattcat cttttccatc 1080
ctggtcttgg ccagcaccat cactatctta aaggacttct ccatcttact catggaaggt 1140
gtgccaaaga gcctgaatta cagtggtgtg aaagagctta ttttagcagt cgacggggtg 1200
ctgtctgtgc acagcctgca catctggtct ctaacaatga atcaagtaat tctctcagct 1260
catgttgcta cagcagccag ccgggacagc caagtggttc ggagagaaat tgctaaagcc 1320
cttagcaaaa gctttacgat gcactcactc accattcaga tggaatctcc agttgaccag 1380
gaccccgact gccttttctg tgaagacccc tgtgactagc tcagtcacac cgtcagtttc 1440
ccaaatttga caggccacct tcaaacatgc tgctatgcag tttctgcatc atagaaaata 1500
aggaaccaaa ggaagaaatt catgtcatgg tgcaatgcac attttatcta tttatttagt 1560
tccattcacc atgaaggaag aggcactgag atccatcaat caattggatt atatactgat 1620
cagtagctgt gttcaattgc aggaatgtgt atatagatta ttcctgagtg gagccgaagt 1680
aacagctgtt tgtaactatc ggcaatacca aattcatctc ccttccaata atgcatcttg 1740
agaacacata ggtaaatttg aactcaggaa agtcttacta gaaatcagtg gaagggacaa 1800

atagtcacaa aattttacca aaacattaga aacaaaaaat aaggagagcc aagtcaggaa 1860
taaaagtgac tctgtatgct aacgccacat tagaacttgg ttctctcacc aagctgtaat 1920
gtgatttttt tttctactct gaattggaaa tatgtatgaa tatacagaga agtgcttaca 1980
actaattttt atttacttgt cacattttgg caataaatcc ctcttatttc taaattctaa 2040
cttgtttatt tcaaaacttt atataatcac tgttcaaaag gaaatatttt cacctaccag 2100
agtgcttaaa cactggcacc agccaaagaa tgtggttgta gagacccaga agtcttcaag 2160
aacagccgac aaaaacattc gagttgaccc caccaagttg ttgccacaga taatttagat 2220
atttacctgc aggaaggaat aaagcagatg caaccaattc attcagtcca cgagcatgat 2280
gtgagcactg ctttgtgcta gacattgggc ttagcattga aactataaag aggaatcaga 2340
cgcagcaagt gcttctgtgt tctggtagca actcaacact atctgtggag agtaaactga 2400
agatgtgcag gccaacattc tggaaatcct atgtcactgg gtttggtttg gaaacctgga 2460
cttctgcatt tttaaaagtt acccagagat gcttctaaag atgagccata gtctagaaga 2520
ttgtcaacca caggagttca ttgagtggga cagctagata catacattgg cagctacaat 2580
agtatcatga attgcaatga tgtagtgggg tataaaagga aagcgatgga tattgccgga 2640
tgggcatggc cagtgatgtt tcacgtcatt gaggtgacag ctctgctgga ctttgaatta 2700
catatggagg ctctccagga agacgaagaa gagaaggaca ttctaggcaa aaagaagact 2760
aggcacaagg cacacttatg tttgtctgtt agcttttagt tgaaaaagca agatacaggg 2820
tcg 2823

<210> 58
<211> 1491
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<223> Incyte ID No: 2329339CB1

<400> 58
cgcctccctc cagctgcgag tgcggcctcg gctggcggcg gcaccaggcc acagttgtaa 60
gggatcttgt ggctgtcagg atggcagagg agcaggagtt cacccagctc tgcaagttgc 120
ctgcacagcc ctcacaccca cactgcgtga acaacaccta ccgcagcgca cagcactccc 180
aggctctgct ccgagggctg ctggctctcc gggacagcgg aatcctcttc gatgttgtgc 240
tggtggtgga gggcagacac atcgaggccc atcgcatcct gctggctgcg tcctgcgatt 300
acttcagagg aatgtttgct gggggattga aggagatgga acaggaagag gtcctgatcc 360
acggtgtgtc ctacaatgct atgtgccaaa tcctacattt catatacacc tccgagctgg 420
agctcagcct gagcaatgta caagagacac tggtggctgc ctgccagctt cagatcccag 480
aaattatcca tttctgctgt gatttcctca tgtcctgggt ggacgaagag aacattctcg 540
atgtctaccg gctggcagag ctgtttgact tgagccgcct gactgagcaa ctggacacct 600
atatcctcaa aaactttgtg gccttctctc ggactgacaa gtaccgccag cttccattgg 660
agaaggtcta ctccctcctc agcagcaatc gcctggaggt ctcctgcgag accgaggtat 720
atgagggggc ccttctctac cattatagcc tggagcaggt gcaggctgac cagatctcgc 780
tgcacgagcc cccaaagctc cttgagacag tgcggtttcc gctgatggaa gctgaggtcc 840
tgcagcggct gcatgacaag ctggacccca gcccctttgag ggacacagtg gccagcggcc 900
tcatgtacca ccggaacgag agcctacagc ccagcctgca gagcccgcaa acggagctgc 960
ggtcggactt ccagtgcgtt gtgggcttcg ggggcattca ctccacgccg tccactgtcc 1020
tcagcgacca ggccaagtat ctaaacccct tactgggaga gtggaagcac ttcactgcct 1080
ccctggcccc ccgcatgtcc aaccagggca tcgcggtgct caacaacttc gtatacttga 1140
ttggagggga caacaatgtc caaggatttc gagcagagtc ccgatgctgg aggtatgacc 1200
cacggcacaa ccgctggttc cagatccagt ccctgcagca ggagcacgcc gacctgtccg 1260
tgtgtgttgt aggcaggtac atctacgctg tggcgggccg tgactaccac aatgacctga 1320
atgctgtgga gcgctacgac cctgccacca actcctgggc atacgtggcc ccactcaaga 1380
gggaggtgta tgcccacgca ggcgcgacgc tggaggggaa gatgtatatc acctgcggac 1440
gcaagcttat tccctttagt gagggttaat tttagcttgc actggccgtc g 1491

<210> 59
<211> 986
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<223> Incyte ID No: 2540219CB1

<400> 59
ggacgccaac ctcggtttga agtccagggc agtggctcct gcggacagcc agcataccag 60
gggccagtgc actgcattac aaccattgtg aggaatgagg gcctgtgccg tgtggctggc 120
gggcggcatg gcaggagcaa tttcttgggg gacagcgact cctatggatg tcgtgaaaag 180

tcgactccaa gctgatgggg tttatttaaa caaatataaa ggtgtcctgg actgtatctc 240
ccagagttac cagaaggaag gtcttaaagt gtttttcaga ggcatcactg tgaacgcggt 300
gcggggcttc cccatgagtg cggccatgtt ccttgggtac gagctgtcgc tgcaggctat 360
ccgcggggac cacgcagtga cgagcccata agcgccagga ggtgaacaca ggatgactac 420
agtgttcccc tgggcctcat ctctgcatgt gaagccctga gagctgcaga tgtttgccct 480
ttggacctcc aagtggacat caattagcaa gcgtgggcta ggatggtgca gacactgacg 540
tggcccttct gatgcctggg atgcctcatg agtcactgat tcaagccctc caaggttctg 600
atccccaatg cccactctgc taggctggca tcaaagagct ttccaagaaa tgtttggtcc 660
agctgagaag tcctgaccat gagcaccagg gagccagaaa ccacccagag aaacgttgct 720
tcactcctct gtctgaggat ggggaggggc cagtgagctc tgggctcagc cactccctcc 780
agtctcaagt aacacgtccc cgtgcctcca gtctcctctc agcaccgacc aggttttcc 840
ccgctcctgc acccgtggat cctgaggaca gcggtagcgc cttcctcacc gcacgctgag 900
tccagtgcgt gctcctcact gtgcacttat tagtgtctgt tgagtgatta aatcacatcc 960
tcaggtctgc agcaaataaa tgaaag 986

<210> 60
<211> 4023
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<223> Incyte ID No: 2722462CB1

<400> 60
gtccggggcg gcgcgtatgg cggcactatg ccatccacga ctcccaggcc cccagtctca 60
gctctggggg tgagagttcc ccctccagcc ccgcacacaa ctgggagatg aattaccaag 120
aggcagcaat ctacctccag gaaggcgaga acaacgacaa gttcttcacc caccccaagg 180
atgccaaggc gctggcggcc tacctctttg cacacaatca cctcttctac ctgatggagc 240
tggccacggc cctgctgctg ctgctgctct ccctgtgcga ggcccccgcc gtccccgcac 300
tccggcttgg catctatgtc cacgccaccc tggagctgtt tgccctgatg gtggtagtgt 360
ttgaactctg catgaagtta cgctggctgg gcctccacac cttcatccgg cacaagcgga 420
ccatggtcaa gacctcggtg ctggtggtgc agtttgtcga ggccatcgtg gtgttggtac 480
ggcagatgtc ccatgtgcgg gtgacccgag cactgcgctg cattttcctg gtggactgtc 540
ggtattgcgg tggcgtccgg cgcaacctgc ggcagatctt ccagtccctg ccgcccttca 600
tggacatcct cctgctgctg ctgttcttca tgatcatctt tgccatcctc ggtttctact 660
tgttctcccc taacccttca gacccctact tcagcaccct ggagaacagc atcgtcagtc 720
tgtttgtcct tctgaccaca gccaatttcc cagatgtgat gatgccctcc tactcccgga 780
acccctggtc ctgcgtcttc ttcatcgtgt acctctccat cgagctgtat ttcatcatga 840
acctgcttct ggctgtggtg ttcgacacct tcaatgacat tgagaaacgc aagttcaagt 900
ctttgctact gcacaagcga accgctatcc agcatgccta ccgcctgctc atcagccaga 960
ggaggcctgc cggcatctcc tacaggcagt ttgaaggcct catgcgcttc tacaagcccc 1020
ggatgagtgc cagggagcgc tatcttacct tcaaggccct gaatcagaac aacacacccc 1080
tgctcagcct aaaggacttt tacgatatct acgaagttgc tgctttgaag tggaaggcca 1140
agaaaaacag agagcactgg tttgatgagc ttcccaggac ggcgctcctc atcttcaaag 1200
gtattaatat ccttgtgaag tccaaggcct tccagtattt catgtacttg gtggtggcag 1260
tcaacggggt ctggatcctc gtggagacat ttatgctgaa aggtgggaac ttcttctcca 1320
agcacgtgcc ctggagttac ctcgtctttc taactatcta tggggtggag ctgttcctga 1380
aggttgccgg cctgggccct gtggagtact tgtcttccgg atggaacttg tttgacttct 1440
ccgtgacagt gttcgccttc ctgggactgc tggcgctggc cctcaacatg gagcccttct 1500
atttcatcgt ggtcctgcgc cccctccagc tgctgaggtt gtttaagttg aaggagcgct 1560
accgcaacgt gctggacacc atgttcgagc tgctgccccg gatggccagc ctgggcctca 1620
ccctgctcat cttttactac tccttcgcca tcgtgggcat ggagttcttc tgcgggatcg 1680
tcttccccaa ctgctgcaac acgagtacag tggcagatgc ctaccgctgg cgcaaccaca 1740
ccgtgggcaa caggaccgtg gtggaggaag gctactatta tctcaataat tttgacaaca 1800
tcctcaacag ctttgtgacc ctgtttgagc tcacagttgt caacaactgg tacatcatca 1860
tggaaggcgt cacctctcag acctcccact ggagccgcct ctacttcatg acctttaca 1920
ttgtgaccat ggtggtgatg acgatcattg tcgcctttat cctcgaggcc ttcgtcttcc 1980
gaatgaacta cagccgcaag aaccaggact cggaagttga tggtggcatc acccttgaga 2040
aggaaatctc caaagaagag ctggttgccg tcctggagct ctaccgggag gcacgggggg 2100
cctcctcgga tgtcaccagg ctgctggaga ccctctccca gatggagaga taccagcaac 2160
attccatggt gtttctggga cggcgatcaa ggaccaagag cgacctgagc ctgaagatgt 2220
accaggagga gatccaggag tggtatgagg agcatgccag ggagcaagag cagcagcgac 2280
aactcagcag cagtgcagcc cccgccgccc agcagccccc aggcagccgc cagcgctccc 2340
agaccgttac ctagcccagc gcccgaaagc cgtctcttct atgcaataac acaatagtat 2400
tactctactg cgatgtacgg aactgcggtg tgtgtacaca tactcacgta tatgcacata 2460
tttatataca ggaagaaaaa agacagacaa gatggggctt ggtttataac caccttgccc 2520
tgtcttcctt aactccagaa gccagtttgg tgaggggtgg gggtgcggcc accaggtctg 2580

agctcttcct actgtggaag gctccagaag gcccttcaca aggagacccc tcacctggat 2640
ccagtcgact gcggggcttg cccctcatgt gggctggcct ccatcggcca cgtccaaagc 2700
tgtcactgct actgcttcag gctcacatcc ccccgacctg atggcgtgcc cgcccctct 2760
ccctgcggcc catgccacag gtttctgtgt tttgctttag ggacagaacc acttaggaaa 2820
gaaagaactc ccggtctcca gggtggtatt tcagtgtctg tgataatgtc acgcaacacc 2880
tcttcgggga ccagtgccca ggatctaatg gaagcggaat tggggcaact gggcccgtgt 2940
ggccagagct cagttagcca gtgccgggcg gccacagatt acactgacca atctcctccc 3000
ttggctctgc aagcctccca cccagccttc tctggcttaa cccttgttgg cgaaaactct 3060
tccacagtgg cctccttggg gacccagaac ccggaggaag gggcatgagg caggaagtgg 3120
ggccgatgtc tgcaacccag accacttcgt ggaatgggct cttgaccaaa tccctttttt 3180
ttgcgattta cccgttcaag caaaacaacg ttttggttaa ctaaggattg tgctaaagcc 3240
gataccaggt ccttcacacg tgtgcactag gaacaggagc gaacagcaca gagagacgct 3300
ccctgtggga cgcagcagcc ccgtggcccc ggcccagttc ccagccaccc tccctggctc 3360
tgctcacacc agagatttcc atagcaggag cggttggtgc agaagtaggt tcagatgaac 3420
ctcagttaac gtcgccaccc ctcctcccac catggtaccc tgtaggagcc ctgtatgaca 3480
tctgagcgtg gtggaggtag gagggttgcc agctgcagtg accctgccac agaggcaggg 3540
tcagtgcaga ggtcgctttg gttccgcttc cctgggccac agaacggaac acagcatagg 3600
ttctgcagca ggagccgcag tggcaggatg gagggtgcga agggcaagga gtgcactgct 3660
gggcattcct ggccagcccc ggccctctgg tgcctgcttc ctgtgacttc agaaggcagg 3720
tggacagagc ctccctctgg ccttgtcctc ttcccagcca cagaacgggc agggtggcac 3780
ccgaccccag gggagcagta cctggtcccc caccccctcc tcccaaccac ctccaaggcc 3840
aagctgggtc ccatagccag cacggcatgg ttctcccctt ccccccttcc caggtcaggg 3900
gagttggaca agtagcaggt gtttgttttt aaagcacagc cctttgggaa agcaacacat 3960
tattgagact cactgtgatt cccccgggag tcagactggc tttgtctctt tctctctgga 4020
ggg 4023

<210> 61
<211> 2345
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<223> Incyte ID No: 2739264CB1

<400> 61
gaaaggaggc ggaactcggt gatctgactg gcggtttccc ggccggactg agaaggggag 60
cgcgctgcgc gtcgcaggag taacctactt ggtctcctgc tttcgcgaca tggccttcaa 120
ttttggggct ccctcgggca cctccggtac cgctgcagcc accgcggccc ccgcgggtgg 180
gtttggagga tttgggacaa catctacaac tgcaggttct gcattcagct tttctgcccc 240
aactaacaca ggcactactg gactctttgg tggtactcag aacaaaggtt ttggatttgg 300
tactggtttt ggcacaacaa cgggaactag tactggttta ggtactggtt tgggaactgg 360
actgggattt ggaggattta atacacagca gcagcagcaa actacattag gtggtctctt 420
cagtcagcct acacaagctc ctacccagtc caaccagctg ataaatactg cgagtgctct 480
ttctgctcca acgctgttgg gagatgagag agatgctatt ttggcaaaat ggaatcaact 540
gcaggccttt tggggaacag gaaaagggta tttcaacaat aatattccgc cagtggaatt 600
cacacaagaa aatccctttt gccgatttaa ggcagtaggt tatagttgca tgcccagtaa 660
taaagatgaa gatgggctag tggttttagt tttcaacaaa aaagaaacag agattcgaag 720
ccaacaacaa cagttggtag aatcattgca taaagttttg ggaggaaacc agacccttac 780
tgtaaatgta gagggcacta aaacattgcc agatgatcag acagaagttg ttatttatgt 840
tgttgagcgt tcgccaaatg gtacttcaag aagagttcca gctacaacgc tatatgccca 900
ttttgaacaa gccaatataa aaacacaatt gcagcaactt ggtgtaaccc tttctatgac 960
tagaacagaa ctttctcctg cacagatcaa acagctttta cagaatcctc ctgctggtgt 1020
tgatcctatt atctgggaac aggccaaggt agataaccct gattctgaaa agttaattcc 1080
tgtaccaatg gtgggtttta aggaacttct ccgaagactg aaggttcaag atcagatgac 1140
taagcagcat caaaccagat tagatatcat atctgaagat attagtgagc tacaaaagaa 1200
tcaaactaca tctgtagcca aaattgcaca atacaagagg aaactcatgg atctttccca 1260
tagaacttta caggtcctaa tcaaacagga aattcaaagg aagagtggtt atgccattca 1320
ggctgatgaa gagcagttgc gagttcagct ggatacgatt cagggtgaac taaatgcacc 1380
tactcagttc aagggccgac taaatgaatt gatgtctcaa atcaggatgc agaatcattt 1440
tggagcagtc agatctgaag aaaggtatta catagatgca gatctgttac gagaaatcaa 1500
gcagcatttg aaacaacaac aggaaggcct tagccatttg attagcatca ttaaagacga 1560
tctagaagat ataaagctgg tcgaacatgg attgaatgaa accatccaca tcagaggtgg 1620
tgtctttagt tgacagttca caaacttgtg taaaggtttg tgaaatgcat cttcttactg 1680
catcagacct tccttaagaa tgaaaccgac cacatggagg gaaaaagaaa acaattcttt 1740
cttggattgg ttttttgaga agtttactga caaattactg ttcatcaaat ctgaaatagt 1800
cacctcacag ctcttcaaag aaaacctttg aaagatttat atctaaaagc tgtatttact 1860
ttaaaagaag tgcataatta ccaaaattgt atgtactatt gtacattttt acaacagcat 1920

tttcttaaac ataatctgtg tttaatgatt attgtccatt gagcctgtac tctgctttcc 1980
ataccaagta aatatgaaat aatctacttt gcacataaca gaacaaacta taattacttg 2040
gctgttggag atttgtactt gagtataaat gtacaccagt ttttgtattt gtgaactcat 2100
ctgtgggagg agtaaagaaa atccaaaagc atttaatgtt ttgtttttgt tctataaaga 2160
tatgaaaatg tatttttata ttatttttact tatttggaat ttacagagca cacctaagca 2220
attaggatat aacaaaacta cttaaccatt tttgcaacca ttttgttttt taagcctttt 2280
tatttctaaa aagatgaaaa cttataaata aattcttaat ttgtaattac ttttaaaaaa 2340
aaaaa 2345

<210> 62
<211> 2085
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<223> Incyte ID No: 2758310CB1

<400> 62
cggagatgtg gcgaccgttt ctggcatcat tctgagactc ggcagttgct tctcactgct 60
gcggccgggc ctgtctgtgg gagctgcatc ctcctcatct gcaggcgctg gaaaaccaga 120
cacgatcgga catgcatgtg gttctgcggc caaagcacgc cctttggttg tgaacttcat 180
gatacctgtg tgcagctctg tcatttccac tctgctctgc tgcacagaag gcagaagccc 240
tggccgtccc ctgctgtgtt cttcaggaga aacgtcaggg gccttcctcc aaggttctcc 300
agccccacac ccctgtggag gaaggtgctc tccaccgcgg tagtgggggc gcccctgctc 360
ctcggagccc gctatgtcat ggcagaggca cgggagaaga ggaggatgcg gctcgtggtg 420
gatggcatgg ggcgctttgg caggtctctg aaggtcggcc tgcagatctc cctggactac 480
tggtggtgca ccaatgttgt ccttcgaggg tggaagagcc caggctactt ggaggtgatg 540
tctgcgtgtc accagcgggc ggctgatgcc ctggtggcag gggccatcag caacgggggc 600
ctctacgtga agctgggcca ggggctgtgc tccttcaacc acctgcttcc ccccgagtat 660
acccggaccc tgcgcgtgct agaggacagg gccctcaagc ggggcttcca ggaggtggat 720
gagttgttcc ttgaggactt ccaggccctc ccccacgagc tcttccagga gtttgactac 780
cagccaattg ctgccgccag cctggcacag gtgcacagag ccaagctgca cgatggcacc 840
agcgtggctg tgaaggtgca gtacatcgac ctgcgggacc gctttgatgg ggacatccac 900
accctggagc tcctgctgcg gctcgttgag gtcatgcacc ccagctttgg cttcagctgg 960
gtcctccagg acctgaaggg gaccctggcc caggagctgg acttcgagaa tgagggccgc 1020
aacgcagagc gctgtgcgcg ggagctggcg cacttccccc acgtcgtggt gccccgcgtg 1080
cactgggaca agtccagcaa gcgcgtgctc actgccgact tctgcgccgg ctgcaaggtc 1140
aacgatgtgg aggccatcag gagccagggg ctggcagtgc atgacatagc agaaaagctc 1200
atcaaggcct ttgctgagca gatattttac accggcttca tccactcgga cccacatcct 1260
ggcaacgttc tggtgcggaa aggcccggac gggaaagcgg agctggtgct gctggaccac 1320
gggctctacc agttcctgga ggagaaggac cgcgcagccc tctgccagct gtggcgggcc 1380
atcatcctgc gggacgacgc cgccatgagg gcgcacgcag ccgcactggg ggtgcaagac 1440
tacctcctgt tcgccgagat gctcatgcag cgccccgtgc gcctggggca gctgtggggc 1500
tcgcacctac tgagccgcga agaggcggcc tacatggtgg acatggcccg cgagcgcttc 1560
gaggccgtca tggcggtgct cagggagctg ccgcggccca tgctgctggt gctgcgcaac 1620
atcaacaccg tgcgcgctat caacgtggcc ctcggcgccc ccgtggaccg ctacttcctt 1680
atggctaaaa gggctgtccg gggctggagc cgcctggcgg gcgccacgta tcggggtgtc 1740
tacggcacca gcctcctgcg ccacgccaag gtcgtctggg agatgctcaa gtttgaagtg 1800
gcgctcaggc tggagacctt ggccatgcgg ctgaccgccc tcctggctcg tgctctggtc 1860
cacctgagcc tcgtgccccc agcggaggag ctctaccagt acctggagac ctagggtgca 1920
gccgcccagg gccggcgggg ccctttttcac cttgggctga cggaggtggc ggggctagag 1980
gtgtagacac cccgagcccc gtgggcactc gcactggggg gctgtgacag cagctgggcc 2040
aggaggccgt gtaatgacca cacactcctc tcaagcaaaa aaaaa 2085

<210> 63
<211> 3014
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<223> Incyte ID No: 2762348CB1

<400> 63
ggaggcaaag gccaggctga ggatcagggt ggcccgggtg gcagcgggga ggcgctgcat 60
gctggaggct gtgctgagtg cccggtgcag gtgagccggt cctgcggagt tgtgccgagt 120
gcctgctgca gaccgaggct gggccaagat ggcgtctgtg tttcgaagcg aggagatgtg 180

tttgtcacaa ctgtttctcc aggtggaagc tgcatattgc tgtgtggctg agctcggaga 240
gctcggattg gttcagttca aagatttaaa tatgaatgtg aacagctttc aaaggaaatt 300
tgtgaatgaa gtcagaaggt gtgaatcact ggagagaatc ctccgttttc tggaagacga 360
gatgcaaaat gagattgtag ttcagttgct cgagaaaagc ccactgaccc cgctcccacg 420
ggaaatgatt accctggaga ctgttctaga aaaactggaa ggagagttac aggaagccaa 480
ccagaaccag caggccttga aacaaagctt cctagaactg acagaactga aatacctcct 540
gaagaaaacc caagacttct ttgagacgga aaccaattta gctgatgatt tctttactga 600
ggacacttct ggcctcctgg agttgaaagc agtgcctgca tatatgaccg gaaagttggg 660
gttcatagcc gggtgtgatc caacagggaa gaggatggct tcctttgagc ggttactgtg 720
gcgagtctgc cgaggaaacg tgtacttgaa gttcagtgag atggacgccc ctctggagga 780
tcctgtgacg aaagaagaaa ttcagaagca catattcatc atattttacc aaggagagca 840
gctcaggcag aaaatcaaga agatctgtga tgggtttcga gccactgtct accctgccc 900
agagcctgcg gtggagcgca gagagatgtt ggagagcgtc aatgtgaggc tggaagattt 960
aatcaccgtc ataacacaaa cagagtctca ccgccagcgc ctgctgcagg aagccgctgc 1020
caactggcac tcctggctca tcaaggtgca gaagatgaaa gctgtctacc acatcctgaa 1080
catgtgcaac atcgacgtca cccagcagtg tgtcatcgcc gagatctggt tcccggtggc 1140
agatgccaca cgtatcaaga gggcactgga gcaaggcatg gaactaagtg gctcctccat 1200
ggcccccatc atgaccacag tgcaatctaa aacagcccct cccacattta acaggaccaa 1260
taaattcaca gctggcttcc agaatattgt tgatgcctat ggtgtcggca gctaccggga 1320
gataaaccca gccccctaca ccatcatcac tttccccttc ctgttcgctg tgatgtttgg 1380
agactgtggt catggaaccg tgatgctcct ggctgcactt tggatgattc tgaatgagag 1440
acgcttgctc tcccagaaga cagacaatga gatttggaac accttcttcc acgggcgcta 1500
tctgatccta cttatgggca tcttctccat ctacacgggt ttgatctaca atgactgctt 1560
ctccaagtcc ttgaacatct ttggctcttc ttggagtgtc caacccatgt tcagaaacgg 1620
cacatggaat actcatgtaa tggaggaaag tctatatctg cagctggacc cagccatacc 1680
aggagtgtat tttggaaatc catacccgtt tgggattgat ccgatttgga acttggcttc 1740
aaacaaactc acatttctga actcgtataa aatgaagatg tcggtgatcc tgggaattgt 1800
ccagatggtt tttggtgtca tcctcagcct tttcaatcac atatacttca gaagaactct 1860
caacatcatt ctgcaattta tccctgagat gatttttatc ctgtgtctgt ttggatacct 1920
ggttttcatg atcattttca aatggtgctg ctttgacgtc cacgtatctc agcacgcccc 1980
cagcatcctc atccacttca tcaacatgtt tctgtttaac tacagtgact cttccaacgc 2040
acccctctac aaacatcagc aagaagtcca aagtttcttt gtggttatgg ctttgatttc 2100
tgtgccgtgg atgcttctga ttaagccgtt tattcttaga gccagtcatc ggaaatccca 2160
gctgcaggca tccaggatcc aagaagatgc cactgagaac attgaaggtg atagctccag 2220
ccctttctagc cgttctggcc agaggacttc tgcagatacc cacggggctc tggacgacca 2280
tggagaagag ttcaactttg gagacgtctt tgtccaccaa gccatccaca ccatcgagta 2340
ctgcctgggc tgcatttcaa acacagcctc ctacctgcgg ctctgggccc tcagcctggc 2400
tcatgcacaa ctgtctgaag tgctctggac tatggtgatg aacagcggcc ttcagacgcg 2460
aggctgggga ggaatcgtcg gggtttttat tatttttgcc gtatttgctg tcctgacagt 2520
agccatcctt ctgatcatgg agggcctctc tgctttcctg cacgccctgc gactgcactg 2580
ggttgagttc cagaacaagt tctatgtcgg ggatggttac aagttttctc cattctcctt 2640
taaacacatc ctggatggca cagccgagga gtaggctgag ggctgcacct cccacggtgg 2700
tcaccatgcc aatgaaggaa gttcagtctt gtctttgata tcagcccctg caaggcgctc 2760
aatgggaagg ttgttcttgg ctcacctgaa gcatgaaact gtgtattatt tggacgtcag 2820
cctgtggatt tgatacgact taaccacgtc agaggaagga ctttggcaag tgatattgtc 2880
ttcatgtggg gtattaattc tcaaataata aagtaattga caaatgaggg gagaatgcta 2940
aacagatgtc ttcttgcaat attttaaata ttgtatttga gaaaataaac atctgagtca 3000
ttcaaaaaaa aaaa 3014

<210> 64
<211> 1726
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<223> Incyte ID No: 3715961CB1

<400> 64
tgaaaatgcc tgctgcgtac caaggtatgt actagggcat ctggggtaag taaaaacaaa 60
cacatagagc ctgcctggag aagctcatgg tctgatggaa agataagcaa gaagagttaa 120
tttctaatca atatgataaa aaggtcagag agcagtttct gaaaaacatg tttttgagtt 180
gagtcctgaa agacaaggag atgttagtaa agcagagaag ggagaattca ttctagaaag 240
atcagacagt gtgtgggaag ggcagagtct gaaaagagca tgccccattt ggagaagcat 300
caagaagccc acgtgttaga agcaccggcc ccatgagaca aagacacagc tagagagatt 360
gactaggcca tgtcggaatg tcctcttatt ttatacatac ataagcatat agatacatat 420
agccaaagtt acctttttaa tgatcttttt tacccagtgt attctggagg tcgaatggtc 480
acatatgaac atctccgaga ggttgtgttt ggcaaaagtg aagatgagca ttatcccctt 540

tggaaatcag tcattggagg gatgatggct ggtgttattg gccagttttt agccaatcca 600
actgacctag tgaaggttca gatgcaaatg gaaggaaaaa ggaaactgga aggaaaacca 660
ttgcgatttc gtggtgtaca tcatgcattt gcaaaaatct tagctgaagg aggaatacga 720
gggctttggg caggctgggt acccaatata caaagagcag cactggtgaa tatgggagat 780
ttaaccactt atgatacagt gaaacactac ttggtattga atacaccact tgaggacaat 840
atcatgactc acggtttatc aagtttatgt tctggactgg tagcttctat tctgggaaca 900
ccagccgatg tcatcaaaag cagaataatg aatcaaccac gagataaaca aggaagggga 960
cttttgtata aatcatcgac tgactgcttg attcaggctg ttcaaggtga aggattcatg 1020
agtctatata aaggcttttt accatcttgg ctgagaatga ccccttggtc aatggtgttc 1080
tggcttactt atgaaaaaat cagagagatg agtggagtca gtccatttta aacccctaaa 1140
gatgcaaccc ttaaagatac agtgttcagt attattgaaa tatgggcatc tgcaacacat 1200
acccccctatt atttctacct ctttaggaag acacctattc cacagagact gatttatagg 1260
gggcagcact ttatttttt ctggaaaccc aagttctctt tgactcctct ttttgtccaa 1320
aagtgatctg gtcggatctc acaaggccat ccaatgagac cccgcacagc attttctaaa 1380
gaagaatcga agcctgacca ctttcacctt gggcaagaag gtttggcctt tgagttgcta 1440
ttctatgctg aagagcctgc ttagaggagg agtaccagga gggagccagc atttcagatc 1500
tgaagtagac gataggaatg tggaagaaca catacatagt gcttaagaaa tacatttaac 1560
ctgttatgtc agtatttatc aatgaagttt gataattcac ttttctgtca ttgttaaagc 1620
gtacatactg taaattaaag ggaggtgaat ggaaattaat gaataaacat tttgagtttc 1680
cctagtgttg aaggaaggtg tacttttttct tgtcagaaag ataaaa 1726

<210> 65
<211> 899
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<223> Incyte ID No: 5108194CB1

<400> 65
gcggcggcga cgcgtccggg ccggtgaggg ggcgcggggg gcgccggggg ggcccaagcg 60
tcagcgcccg cgcctgtcgg gctgaactga ggaccgagtc tcctgccatt ccgagcaggc 120
ctggtatggg taatggtgtg aaggaaggcc cggtgcgatt gcatgaggat gctgaggctg 180
tcctgtcctc gtccgtctca tcaaagcgtg accacaggca agtgctcagc tccctgctgt 240
ctggggccct ggctggtgcc cttgccaaaa cagcggtagc tcccctggac cgaaccaaaa 300
tcatcttcca agtgtcttca aaaagatttt ctgccaagga ggccttccgg gtcctctact 360
acacctacct caacgaggga tttctcagct tgtggcgcgg gaactcggcc accatggtgc 420
gcgtggtgcc ctacgccgcc atccagttca gcgcacacga ggagtacaag cgcatcctgg 480
gcagctacta tggcttccgt ggagaagccc tgccccttg gcctcgcctc ttcgccggcg 540
cactggctgg aacgacagcc gcttcactga cctacccct ggacctggtc agagcgcgga 600
tggccgtaac cccgaaggaa atgtacagca acatctttca tgtcttcatc cgcatctcga 660
gagaagaggg gctgaagact ctctaccatg gatttatgcc caccgtgctg ggggtcattc 720
cctacgctgg cctgagcttc ttcacctatg agacgctcaa gagcttgcac agagagtaca 780
gcggccgcaa gcttattccc tttagtgagg gttaatttta gcttggcact ggccgtcgtt 840
ttacaacgtc gtgactggga aaaccctggc gttacccaac ttaatcgcct tgcagcaca 899

<210> 66
<211> 643
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<223> Incyte ID No: 5503122CB1

<400> 66
ctttaagctg tagctgtggt ttctgcagca attttgtttt tgccttgaaa gaggtgctct 60
ggattatcac acctccatgt atgacaattt gtacctgcat ggaattgaag actcggaggc 120
tggttcagcg gattcctaca caagcaggcc gtctgactcc gatgtctctt tggaagagga 180
ccgggaagca attcgacagg agagagaaca gcaagcagct atccagcttg agagagcaaa 240
gtccaaacct gtagcatttg ccgtgaagac aaatgtgagc tactgcggcg ccctggacga 300
ggatgtgcct gttccaagca cagctatctc ctttgatgct aaagactttc tacatattaa 360
agagaaatat aacaatgatt ggtggatagg aaggctggtg aaagagggct gtgaaattgg 420
cttcattcca agtccactca gattggagaa catacggatc cagcaagaac aaaaaagagg 480
acgttttcac ggagggaaat caagtggaaa ttcttcttca agtcttggag aaatggtatc 540
tgggacattc cgagcaactc ccacatcaac aggtgagggt tgtagttaaa ctctttttca 600
tacactgtat tccttttaaa aatatttgaa cacacatgca agc 643

<210> 67
<211> 2574
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<223> Incyte ID No: 5517972CB1

<400> 67
gcgcctccca cgccggccgc cgccgacgtg atcgctcggg cgcgccgggc gtggttgggg 60
gaaggggttg tgccgcgcga cggtctgcgt gctgtgccca ctcaaaaggt tccgggcgcg 120
caggacggaa gacgcagtgc tcgccactcc cactgagatt gagagacgcg gcaaggaggc 180
agcctgtgga ggaactgggt aggatttagg aacgcaccgt gcacatgctt ggtggtcttg 240
ttaagtggaa actgctgctt tagagtttgt ttggaaggtc cgggtgactc atcccaacat 300
ttacatcctt aattgttaaa gcgctgcctc cgagcgcacg catcctgaga tcctgagcct 360
ttggttaaga ccgagctcta ttaagctgaa aagataaaaa ctctccagat gtcttccagt 420
aatgtcgaag tttttatccc agtgtcacaa ggaaacacca atggcttccc cgcgacagct 480
tccaatgacc tgaaggcatt tactgaagga gctgtgttaa gttttcataa catctgctat 540
cgagtaaaac tgaagagtgg ctttctacct tgtcgaaaac cagttgagaa agaaatatta 600
tcgaatatca atgggatcat gaaacctggt ctcaacgcca tcctgggacc cacaggtgga 660
ggcaaatctt cgttattaga tgtcttagct gcaaggaaag atccaagtgg attatctgga 720
gatgttctga taaatggagc accgcgacct gccaatttca aatgtaattc aggttacgtg 780
gtacaagatg atgttgtgat gggcactctg acggtgagag aaaacttaca gttctcagca 840
gctcttcggc ttgcaacaac tatgacgaat catgaaaaaa acgaacggat taacagggtc 900
attcaagagt taggtctgga taaagtggca gactccaagg ttggaactca gtttatccgt 960
ggtgtgtctg gaggagaaag aaaaaggact agtataggaa tggagcttat cactgatcct 1020
tccatcttgt tcttggatga gcctacaact ggcttagact caagcacagc aaatgctgtc 1080
cttttgctcc tgaaaaggat gtctaagcag ggacgaacaa tcatcttctc cattcatcag 1140
cctcgatatt ccatcttcaa gttgtttgat agcctcacct tattggcctc aggaagactt 1200
atgttccacg ggcctgctca ggaggccttg ggatactttg aatcagctgg ttatcactgt 1260
gaggcctata ataaccctgc agacttcttc ttggacatca ttaatggaga ttccactgct 1320
gtggcattaa acagagaaga agactttaaa gccacagaga tcatagagcc ttccaagcag 1380
gataagccac tcatagaaaa attagcggag atttatgtca actcctcctt ctacaaagag 1440
acaaaagctg aattacatca actttccggg ggtgagaaga agaagaagat cacagtcttc 1500
aaggagatca gctacaccac ctccttctgt catcaactca gatgggtttc caagcgttca 1560
ttcaaaaact tgctgggtaa tccccaggcc tctatagctc agatcattgt cacagtcgta 1620
ctgggactgg ttataggtgc catttacttt gggctaaaaa atgattctac tggaatccag 1680
aacagagctg gggttctctt cttcctgacg accaaccagt gtttcagcag tgtttcagcc 1740
gtggaactct ttgtggtaga gaagaagctc ttcatacatg aatacatcag cggatactac 1800
agagtgtcat cttatttcct tggaaaactg ttatctgatt tattacccat gaggatgtta 1860
ccaagtatta tatttacctg tatagtgtac ttcatgttag gattgaagcc aaaggcagat 1920
gccttcttcg ttatgatgtt tacccttatg atggtggctt attcagccag ttccatggca 1980
ctggccatag cagcaggtca gagtgtggtt tctgtagcaa cacttctcat gaccatctgt 2040
tttgtgttta tgatgatttt ttcaggtctg ttggtcaatc tcacaaccat tgcatcttgg 2100
ctgtcatggc ttcagtactt cagcattcca cgatatggat ttacggcttt gcagcataat 2160
gaatttttgg gacaaaactt ctgcccagga ctcaatgcaa caggaaacaa tccttgtaac 2220
tatgcaacat gtactggcga agaatatttg gtaaagcagg gcatcgatct ctcaccctgg 2280
ggcttgtgga agaatcacgt ggccttggct tgtatgattg ttatttttcct cacaattgcc 2340
tacctgaaat tgttatttct taaaaaatat tcttaaattt ccccttaatt cagtatgatt 2400
tatcctcaca taaaaaagaa gcactttgat tgaagtattc aatcaagttt ttttgttgtt 2460
ttctgttccc ttgccatcac actgttgcac agcagcaatt gttttaaaga gatacatttt 2520
tagaaatcac aacaaactga attaaacatg aaagaaccca agaaaaaaaa aaaa 2574

<210> 68
<211> 1571
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<223> Incyte ID No: 5593114CB1

<400> 68
ggcgcggcga cagctagggt tcacggccac tggggcagag gagccgcgag aagatgtggg 60
tttttggtta cgggtccctg atctggaagg tggatttccc ctatcaggac aagctggtcg 120
gatacatcac caactacagc aggcgcttct ggcagggcag cacggaccac cgcggggtcc 180
ccggcaagcc tggaagagtt gtgactcttg ttgaagatcc tgcgggatgt gtatggggtg 240

ttgcttacag attgccagta ggaaaggaag aagaagtaaa agcatacctt gacttcagag 300
aaaaaggagg ctacagaacc acaacagtca ttttttatcc aaaagatccc acaacaaaac 360
cattcagtgt attgctatat attggaacat gtgataatcc tgattatctt ggtcctgcac 420
ctctggaaga cattgctgaa caaattttta atgcagctgg tccaagtgga agaaatacag 480
aatatctttt tgaacttgca aattctatta ggaaccttgt gccagaagaa gcagatgagc 540
atcttttcgc tttggaaaaa ttagtaaagg aacgtttaga agggaaacag aacctcaatt 600
gcatataatt tagtcttcag agaattaact tcagtgcaca atgacaatat gatttggaaa 660
tacgtttact taaagatctt atttttaatg tagtgaggat attatttaaa cttttatttt 720
aactggaaat gtcctgaaac acatatttaa aatattggga tacagtgaaa gaaaaattca 780
aattttaata acataaagat ttcctaactt tatgttattg aacacttact cactagaagt 840
gagttcttta gaaaaataca gtgaaggact cagttcagtc ttgtttttat cagagtgata 900
atcatcctgt ttcacatccc aatactattt tgaaattcta aacaattaaa ccaaaattcc 960
aataaatata aggttatgcc ttcaatatat tcctatacaa ttctgtaacc atggtttaaa 1020
atacacaagc ttaaaataac atgcttagaa atacacaata atatgaacag tatttcagcc 1080
ttaattgtga atttccttgt tattcaagta ttaaatgaaa tcttttgagt ttttagccaa 1140
aaattggcat ttttaaaata cgaaaatttc cttggaatta taatgtactg tacctcttct 1200
tttttaaata aaggcatttt actatatgga aaataactca ctaaagcata aattacatta 1260
tacaaatcat gatcactaat gatgtagtct gtcattcact ttgtattaat cttataccaa 1320
aactgaaaaa gatgggctga tactacaaat taatggcaca tataatgaaa atttagtttt 1380
taaaacagct tttggaattc tttgtctgtc actatctcaa tttgtgtgtg tgtgtgtgta 1440
tatacataaa tatacatata aaatttttttt tttctttgca gcctgcgtct ggccatccca 1500
caggctggaa agtgtaacct ctggcagaag ccaagaacag gcacctcctg gaattataat 1560
tttgttttgt t 1571

<210> 69
<211> 1549
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<223> Incyte ID No: 044775CB1

<400> 69
cgcgcttagg caggcggtgg cgcggctgga gtgccgcggg gagggctgtg ccggttgctt 60
tctgcagccg catctcggcc agctctcctc gccgtccccg gggcgctgtg cgtctccagt 120
ccgggaccga agccgcctgc cgtagcgggc ggccagatcc gcgtcccgcc tcagcggccg 180
gaggacatgc gggagagaga atgagccaga gggacacgct ggtgcatctg tttgccggag 240
gatgtggtgg tacagtggga gctattctga catgtccact ggaagttgta aaaacacgac 300
tgcagtcatc ttctgtgacg ctttatattt ctgaagttca gctgaacacc atggctggag 360
ccagtgtcaa ccgagtagtg tctcccggac ctcttcattg cctaaaggtg atcttggaaa 420
aagaagggcc tcgttccttg tttagaggac taggccccaa tttagtgggg gtagcccctt 480
ccagagcaat atactttgct gcttattcaa actgcaagga aaagttgaat gatgtatttg 540
atcctgattc tacccaagta catatgattt cagctgcaat ggcaggcatt tactgtacat 600
ttctcccgag aaaagagtga gatcgtgtca tctcatgctc cccatccgca ggtcacttcc 660
tgtagaaata tggactaact taaacctcgt tttactgcaa tcacagcaac caaccccatt 720
tggcttataa agactcggtt acagcttgat gcaaggaacc gcggggaaag gcgaatgggt 780
gcttttgaat gtgttcgtaa agtgtatcag acagatggac taaaaggatt ttataggggc 840
atgtctgctt catatgctgg tatatcagag actgttatcc attttgttat ttatgaaagt 900
ataaaacaaa aactactgga atataagact gcttctacaa tggaaaatga tgaagagtct 960
gtgaaagaag catcagattt tgtgggaatg atgctagctg ctgccacctc aaaaacttgt 1020
gccacaacta tagcatatcc acatgaagtt gtaagaacaa gactacgtga agagggaaca 1080
aaatacagat ctttttttca gactctatct ttgcttgttc aagaagaagg ttatgggtct 1140
ctttatcgtg gtctgacaac tcatctagtg agacagattc caaacacagc cattatgatg 1200
gccacctatg aattggtggt ttacctactc aatggatagc agcacgagga ctgctgtact 1260
gcaaaaaaag aagaccaaaa gattacagtg gaccatggga tacagaagcc agcatggcag 1320
acagaagaaa aatagtttgg gaacatgtaa ctattctaag tggaagtttt gttgtaggaa 1380
ttatagtaat cacaccacat tacttggcct ttcggtaatg tgaaaaaaaa aaaaaaacct 1440
cagagcctcc aaggaaatgc ctttagaagc actcctctct caaaattgcc attttctcta 1500
ccatgtcccc cagacacagt tgggttttgt tgatttatgg cagtcttct 1549

<210> 70
<211> 2237
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature

<223> Incyte ID No: 116588CB1

<400> 70
gtcactggtg ccacggggcc tcagcgcact tctgtcttaa gctcctgggc ctccttattt 60
tccccttgc gatcgattcc agccacacct gtggatgttg ctagttactc cgcgtccgga 120
acgtggaggt cgagggactg agctgggcga gttttgtggc actcctttgc tcttcagcag 180
ctatttttgc tatgataatc ctgctgccct tcagactcaa gttaaacgag atatgcaagt 240
gaataccacg aaattcatgc tgctgtatgc ctggtattct tggcccaatg tagttttgtg 300
tttctttggt ggctttttga tagaccgagt atttggaata cgatggggca caatcatttt 360
tagctgcttt gtttgcattg gacaggttgt ttttgccctg ggtggaatat ttaatgcttt 420
ttggctgatg gaatttggaa gatttgtatt tgggattggt ggcgagtcct tagcagttgc 480
ccagaataca tatgctgtga gctggtttaa aggcaaagaa ttaaacctgg tgtttggact 540
tcaacttagc atggctagaa ttggaagtac agtaaacatg aacctcatgg gatggctgta 600
ttctaagatt gaagctttgt taggttctgc tggtcacaca accctcggga tcacacttat 660
gattgggggt gtaacgtgta ttctttcact aatctgtgcc ttggctcttg cctacttgga 720
tcagagagca gagagaatcc ttcataaaga acaaggaaaa acaggtgaag ttattaaatt 780
aactgatgta aaggacttct ccttacccct gtggcttata tttatcatct gtgtctgcta 840
ttatgttgct gtgttccctt ttattggact tgggaaagtt ttctttacag agaaatttgg 900
attttcttcc caggcagcaa gtgcaattaa cagtgttgta tatgtcatat cagctcccat 960
gtccccggtg tttgggctcc tggtggataa aacagggaag aacatcatct gggttctttg 1020
cgcagtagca gccactcttg tgtcccacat gatgctggcc tttacgatgt ggaacccttg 1080
gattgctatg tgtcttctgg gactctccta ctcattgctt gcctgtgcat tgtggccaat 1140
ggtggcattt gtagttcctg aacatcagct gggaactgca tatggcttca tgcagtccat 1200
tcagaatctt gggttggcca tcatttccat cattgctggt atgatactgg attctcgggg 1260
gtatttgttt ttggaagtgt tcttcattgc ctgtgtttct ttgtcacttt tatctgtggt 1320
cttactctat ttggtgaatc gtgcccaggg tgggaaccta aattattctg caagacaaag 1380
ggaagaaata aaattttccc atactgaatg agaagttaaa atgaatgtgt catgagaatg 1440
ggcttaacac atcgttggtt tgaaaacttc catttttaaa aatttagagt ttagtcatta 1500
gaaaaaataa tggactggaa agttatattt atatccaaat atacctattt caaagtgtat 1560
ttgtgaggcc tgttttagcc tgtgtctttt gtattgtgtg ttgctaaaga attctacttt 1620
tagtaggcta atcaacaatg aaagggttag aaaattgctg tggaacatcc aggtgaactt 1680
caggaaagac agtgaaaaat ggaaaacgtt ggagcttctg ttgagataat cttcattagg 1740
tatatatctt agggatacag ccttttcttt atcttatagc aggaaaaaaa aacttttgag 1800
ggaaatagaa gggctgcgtt acacaaaata aacaatggca ttgtcatagg ccttcctttt 1860
actagtaggg cataatgcta gggaatatgt gaagatgttt ttatgaagtc tctttctgat 1920
cacgaacaat agcttgcgct ctactctgta gttatgtgga ttgccgagca atgacccttt 1980
tcaatttctt atttctgtgt tactgaggac cctaatcact tagggatgta attttatagt 2040
ataaactttc tgtacagttt ttcttatagt ctaataagta aaaagtgtcc ttcaaattat 2100
gataattgcc tatgtacatg gataaattaa aacactgcac acggagtaaa aaaaaaaaaa 2160
aaaaaaaaaa aaaaaatgag cggccgcaag cttattccct ttagtgaggg ttaattttag 2220
cttggcactg gccgtcg 2237

<210> 71
<211> 1114
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<223> Incyte ID No: 875369CB1

<400> 71
tgggaacgga gcagccccgg gggccccctt gaggcggcga ggccgcgaag ggcgcggggc 60
tggagggtag gagagcgcgg gaaagcgccc cagacgccac tcgcggcgga cggcggccag 120
ttcccagggg tttggagccg gcccgcggcg ccatggctca cgtcggctcc cgcaagcgct 180
cgaggagtcg cagccggtcc cggggacggg ggtcggaaaa gagaaagaag aagagcagga 240
aagacacctc gaggaactgc tcggcctcca catcccaagg tcgcaaggcc agcacggccc 300
ctggggcgga ggcctcacct tctccctgca tcacagagag aagcaagcag aaggcccgga 360
ggagaacaag atccagctcc tcctcctctt cttccagttc ttctagctcc tcttcttcct 420
cctcgtcctc ctcctcttcc tccagtgatg gccggaagaa gcgggggaag tacaaggaca 480
agaggaggaa gaagaagaag aagaggaaga agctgaagaa gaagggcaag gagaaggcgg 540
aagcacagca ggtggaggct ctgccgggcc cctcgctgga ccagtggcac cgatcagctg 600
gggaggaaga ggatggccca gtcctgacgg atgagcagaa gtcccgaatc caggccatga 660
agcccatgac caaggaggag tgggatgccc ggcagagcat catccgcaag gtggtggacc 720
ctgagacggg gcgcaccagg cttattaagg gagatggcga ggtcctagag gaaatcgtaa 780
ccaaagaacg acacagagag atcaacaagc aagccacccg aggggactgc ctggccttcc 840
agatgcgagc tgggttgctt ccctgagggc ccccgctggc caaggcctgt ggacgacgct 900
ggcggcccag cctgggcagg tttcagggtg ccagtgggaa gcctgatggg tgctggtggc 960

ctttcccccg tggattggtc tctggcccag cccagtctct tctcaggggc aggggtgga 1020
ggttggggtc accggcctgc ttggcacccc catctgaaag agcagcactt ctcagctatt 1080
aaaggccccc tggatagaca aaaaaaaaaa aaaa 1114

<210> 72
<211> 998
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<223> Incyte ID No: 1325518CB1

<400> 72
gactaaaaaa gccatgtatt ctttcgtttc tctctaaaag aagaaaaata taatttaaaa 60
atacattgcg tattttctaa aacaataaat ttatagtgtt aatattcata gggtcaatca 120
aaatgaagct tctcctttgg gcctgcattg tatgtgttgc ttttgcaagg aagagacggt 180
tcccttcat tggtgaggat gacaatgacg atggtcaccc acttcatcca tctctgaata 240
ttccttatgg catacggaat ttaccacctc ctctttatta tcgcccagtg aatacagtcc 300
ccagttaccc tgggaatact tacactgaca cagggttacc ttcgtatccc tggattctaa 360
cttctcctgg attcccctat gtctatcaca tccgtggttt tcccttagct actcagttga 420
atgttcctcc tctccctcct aggggtttcc cgtttgtccc tccttcaagg ttttttcag 480
cagctgcagc acccgctgcc ccacctattg cagctgagcc tgctgcagct gcacctctta 540
cagccacacc tgtagcagct gagcctgctg caggggcccc tgttgcagct gagcctgctg 600
cagaggcacc tgttggagct gagcctgctg cagaggcacc tgttgcagct gagcctgctg 660
cagaggcacc tgttggagtg gagccagctg cagaggaacc ttcaccagct gagcctgcta 720
cagccaagcc tgctgcccca gaacctcacc cttctccctc tcttgaacag gcaaatcagt 780
gaaattctct agaagagtac catgggttca tttctatact gatgcagaaa taagtgaaat 840
ctacaaaagt tttctttctt ttccaaagac tatttcattc tgttgtattc agagtattca 900
tctcactaca ttgatttgtt tgtggtagtt tttccttgga cttaatttat attgaaaaaa 960
cattgataat taaataaata aaatagataa tttagaca 998

<210> 73
<211> 2348
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<223> Incyte ID No: 2060987CB1

<400> 73
gggccagccg gctcgcccgg gggccatggc agcagcggct actgcagccg agggggtccc 60
cagtcggggg cctcccgggg aagtcatcca tctgaatgtg ggaggcaaga gattcagtac 120
ctctcgccag actctcacct ggatcccaga ctccttcttc tccagtcttc tgagcggacg 180
catctcgacg ctgaaagatg agaccggagc aatcttcatc gacagggacc ctacagtctt 240
cgcccccatc ctcaacttcc tgcgcaccaa agagttggat cccaggggtg tccacggttc 300
cagcctcctc catgaagccc agttctatgg gctcactcct ctggttcgtc gcctgcagct 360
tcgagaggag ttggatcgat cttcttgtgg aaacgtcctc ttcaatggtt acctgccgcc 420
accagtgttc ccagtgaagc ggcggaaccg gcacagccta gtggggcctc agcagctagg 480
aggacggcca gcccctgtcc gacggagcaa cacgatgccc cccaaccttg gcaatgcagg 540
gctgctgggc cgaatgctgg atgagaaaac ccctccctca ccctcaggac aacctgagga 600
gccggggatg gtgcgcctgg tgtgtggaca ccataattgg atcgctgtgg cctataccca 660
gtttctagtc tgctacaggt tgaaggaagc ctctggctgg cagctggtgt tttccagccc 720
ccgcctggac tggcccatcg aacgactggc gctcacagcc cgggtgcatg gtggggcttt 780
gggtgaacat gacaagatgg tggcagcagc caccggcagc gagatcctgc tatgggctct 840
gcaggcggaa ggcggtggct ccgagatagg ggtctttcat ctgggggtgc ctgtggaggc 900
cttgttcttc gtcgggaacc agctcattgc tacaagccac acagggcgca tcggggtgtg 960
gaatgccgtc accaagcact ggcaggtcca ggaggtgcag cccatcacca gttatgacgc 1020
ggcaggctcc ttcctcctcc tgggctgcaa caacggctcc atttactacg tggatgtgca 1080
gaagttcccc ttgcgcatga aagacaacga cctccttgtc agcgagctct atcgggaccc 1140
agcggaggat ggggtcaccg ccctcagtgt ctacctcacc cccaagacca gtgacagtgg 1200
gaactggatc gagatcgcct atggcaccag ctcaggggcc gtgcgggtca tcgtgcagca 1260
cccggagact gtgggctcgg ggcctcagct cttccagacc ttcactgtgc accgcagccc 1320
tgtcaccaag atcatgctgt cggagaagca cctcatctca gtctgtgccg acaacaacca 1380
cgtgcggaca tggtctgtga ctcgcttccg cggcatgatt tccacccagc ccggctccac 1440
cccactcgct tcctttaaga tcctggctct ggagtcggca gatgggcatg gcggctgcag 1500
tgctggcaat gacattggcc cctacggtga gcgggacgac cagcaagtgt tcatccagaa 1560

ggtggtgccc agtgccagcc agctcttcgt gcgtctctca tctactgggc agcgggtgtg 1620
ctccgtgcgc tccgtggacg gctcacccac gacggccttc acagtgctgg agtgcgaggg 1680
ctcccggcgg ctcggctctc ggccccggcg ctacctgctc actggccagg ccaacggcag 1740
cttggccatg tgggacctaa ccaccgccat ggacggcctc ggccaggccc ctgcaggtgg 1800
cctgacggag caagagctga tggaacagct ggaacactgt gagctggccc cgccggctcc 1860
ttcagctccc tcatggggct gtctccccag cccctcaccc cgcatctccc tcaccagcct 1920
ccactcagcc tccagcaaca cctccttgtc tggccaccgt gggagcccaa gccccccgca 1980
ggctgaggcc cggcgccgtg gtgggggcag ctttgtggaa cgctgccagg aactggtgcg 2040
gagtgggcca gacctccgac ggccacccac accagccccg tggccctcca gcggtctcgg 2100
cactcccctc acacctccca agatgaagct caatgaaact tccttttgaa caacgcagct 2160
gccatgatgc cttgggatgc cctggtcctg ggggactcag gtgcctccct gattcctgtg 2220
ggaaccccgg gttcagggcc agggcctcct tggaataaat ggttattgtt actaggtccc 2280
caccttccct cttttctgga agccaaagtc accctcccca ataaagtcct cactgccaaa 2340
aaaaaaaa 2348

<210> 74
<211> 1139
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<223> Incyte ID No: 2172064CB1

<400> 74
ctcgagctgg gatgtgtggc aggttcctgc ggcggctgct ggcggaggag agccggcgct 60
ccacccccgt ggggcgcctc ttgcttcccg tgctcctggg attccgcctt gtgctgctgg 120
ctgccagtgg gcctggagtc tatggtgatg agcagagtga attcgtgtgt cacacccagc 180
agccgggctg caaggctgcc tgcttcgatg ccttccaccc cctctccccg ctgcgttcct 240
gggtcttcca ggtcatcttg gtggctgtac ccagcgccct ctatatgggt ttcactctgt 300
atcacgtgat ctggcactgg gaattatcag gaaaggggaa ggaggaggag accctgatcc 360
agggacggga gggcaacaca gatgtcccag gggctggaag cctcaggctg ctctgggctt 420
atgtggctca gctgggggct cggcttgtcc tggaggggc agccctgggg ttgcagtacc 480
acctgtatgg gttccagatg cccagctcct ttgcatgtcg ccgagaacct tgccttggta 540
gtataacctg caatctgtcc cgcccctctg agaagaccat tttcctaaag accatgtttg 600
gagtcagcgg tttctgtctc ttgtttactt ttttggagct tgtgcttctg ggtttgggga 660
gatggtggag gacctggaag cacaaatctt cctcttctaa atacttccta acttcagaga 720
gcaccagaag acacaagaaa gcaaccgata gcctcccagt ggtggaaacc aaagagcaat 780
ttcaagaagc agttccagga agaagcttag cccaggaaaa acaaagacca gttggaccca 840
gagatgcctg agttggagat gaactttggc caactttcct catcaccata cttaaaatcc 900
tgtccaagga ggagcttatt caccattttc tatacatgtg acatatgtag cagcataacc 960
gacaactggg actgcgctgc cttgactcca cctctacata caatgactca gctaaccaga 1020
ctaataaaag ccatgtttgc accattgctc agggaggcat tgctttgggg aattattccc 1080
agtgtcctcc ttacttatcg caagtaataa aaatcccctg ggaaatcctc aaaaaaaaa 1139

<210> 75
<211> 863
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<223> Incyte ID No: 2219267CB1

<400> 75
tcagagctag cttccgccgc agcctggcac ctcaggtgcc gaccttctac ctgccctact 60
tcctggaggc cggcctggag gcggcagcct tggtcttcct gctcctgacg gcagattgct 120
gtggacgccg ccccgtgctg ctgctgggca ccatggtcac aggcctggca tccctgctgc 180
tcctcgctgg ggcccagtat ctgccaggct ggactgtgct gttcctctct gtcctggggc 240
tcctggcctc ccgggctgtg tccgcactca gcagcctctt cgcggccgag gtcttcccca 300
cggtgatcag gggggccggg ctgggcctgg tgctgggggc cgggttcctg ggccaggcag 360
ccggcccccc ggacaccctg cacggccggc agggcttctt cctgcaacaa gtcgtcttcg 420
cctcccttgc tgtccttgcc ctgctgtgtg tcctgctgct gcctgagagc cgaagccggg 480
ggctgcccca gtcactgcag gacgccgacc gcctgcgccg ctccccactc ctgcggggcc 540
gcccccgcca ggaccacctg cctctgctgc cgccctccaa ctcctactgg gccggccaca 600
ccccgagca gcactagtcc tgcctggtgg ccctgggagc caggatggga ccaaagtcaa 660
ggcctggggc atggctgagt accccagacg tctggtccag ggcagacaca ttcctctcag 720
aagcccgtgt ctcagtgcag gtggagccgt ggggacagcg tgaaggtgtc tccagccagg 780

ccccaggcac tgggaggccc tgggtctccc cccagccaca cccagtaggt gtggaggata 840
aaggcttctg tggaaaaaaa aaa 863

<210> 76
<211> 1322
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<223> Incyte ID No: 2308629CB1

<400> 76
ccgggggccc ggcgcgcggg gaggccgggg cctgcaggcc cccggtacga caagatccgg 60
actccggccc ggactacgag gcgctgccgg ctggagccac tgtcaccacg cacatggtgg 120
caggcgccgt ggcagggatc ctggagcact gcgtgatgta ccccatcgac tgcgtcaaga 180
cccggatgca gagtctacag cctgacccag ctgcccgcta tcgcaatgtg ttggaggccc 240
tctggaggat tataagaacg gagggcctat ggaggcccat gaggggggctg aacgtcacag 300
caacaggcgc agggcctgcc cacgcccttt attttgcctg ctacgaaaag ttaaaaaaga 360
cattgagtga tgtaatccac cctgggggca atagccatat tgccaatggt gcggccgggt 420
gtgtggcaac attacttcat gatgcagcca tgaaccctgc ggaagtggtc aagcagagga 480
tgcagatgta caactcacca taccaccggg tgacagactg tgtacgggca gtgtggcaaa 540
atgaaggggc cggggccttt taccgcagct acaccaccca gctgaccatg aacgttcctt 600
tccaagccat tcacttcatg acctatgaat tcctgcagga gcactttaac ccccagagac 660
ggtacaaccc aagctcccac gtcctctctg gagcttgcgc aggagctgta gctgccgcag 720
ccacaacccc actggacgtt tgcaaaacac tgctcaacac ccaggagtcc ttggctttga 780
actcacacat tacaggacat atcacaggca tggctagtgc cttcaggacg gtatatcaag 840
taggtggggt gaccgcctat ttccgagggg tgcaggccag agtaatttac cagatcccct 900
ccacagccat cgcatggtct gtgtatgagt tcttcaaata cctaatcact aaaaggcaag 960
aagagtggag ggctggcaag tgaagtagca ctgaacgaag ccaggggttc agatgacact 1020
gctgcatcct ggtcacattc tctgtctcct ggaatgctcc cacctcaagt ggagttagaa 1080
ggaaggtaga ggggctctcc cccaggattt tggtgttttg actaacacca gttcctgcca 1140
acctctgttg ccaccacctt tccttccagg ccctaagcac gtgcagcaaa gcacaccaca 1200
gcacctttga taacctctct ccatcctggg cctgatgacc tgctctagac tgttatagag 1260
ggataagcag ctcattcccc tggttcctaa taaaaagcct ttaaattaaa aaaaaaaaaa 1320
aa 1322

<210> 77
<211> 1869
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<223> Incyte ID No: 2660038CB1

<400> 77
cagggacgct cattcctggc cagagtcctg acttctttct cggatcgaga tctcgttgct 60
ggctcgagga aatcaccggc tcttctcccg gatccttttc ttctctcact tgctggcttt 120
cttcttcctg cctccctggc ttccatctcc caaccccgcg attccctcct ctactcccgt 180
gctcccgtcg cccgccatcc tgagccatcc cacctgcaac cttctgtctt ttgccccctcc 240
ttgacctcag agggtcctgc cttaagcttc tcaccagaat ctcctagatt tctatctctt 300
ccctgcttgc cagctcttga ctcccaaatt ccagctgacg tttgaccact tgacatttga 360
ccctgacacc cttgactgca aatctaaatt cttatcttct gcaacctgta ctgctgaaac 420
aggccttccc cctgtcttcc aaccccgctt tctgacaccc atttttactt tcttactctt 480
gggtcagttc ctgctacagc tatcccacca tggacttctt gatgagtggc ctggcagcct 540
gcggggcctg tgtattcacc aatcccctgg aggtggtgaa gaccaggatg cagttgcaag 600
gagaactgca ggcccctggc acataccagc ggcactaccg aaatgtcttc catgccttca 660
tcaccatcgg caaggtggat ggccttgctg ccctgcagaa aggcctggcc cccgccctct 720
tgtaccagtt cctgatgaat ggcatccgac tgggcaccta tgggctggct gaggctgggg 780
gctacctgca cacagccgaa gcgacccaca gtcctgcccg cagcgcagca gctggggcca 840
tggctggggt catgggagcc tacttgggga gccccatcta catggtgaag acacacctgc 900
aggcacaggc agcctcagaa attgctgtag ggcaccagta taagcatcag ggcatgtttc 960
aggcgctaac cgagattggc cagaaacatg gtctggtggg gttatggcgt ggggctctgg 1020
gcggcctgcc ccgagttatc gtcggttcct ccacccagct gtgcaccttc tcatccacca 1080
aggacctcct gagccagtgg gagatctttc ctccccagag ctggaagttg gcgctggtgg 1140
ctgccatgat gagtggcatt gcagttgtct tggccatggc acccttgat gtggcctgca 1200
caaggctcta caaccagccc acagatgcac agggcaaggg cctcatgtac cgggggatac 1260

tggacgctct gctgcagaca gctcggaccg agggcatttt tggcatgtac aagggtatag 1320
gtgcctccta cttccgcctc ggcccccaca ccatcctctc cctcttcttc tgggaccagc 1380
tgcgctccct ctactacaca gacactaaat aacagccgct ttcccagtct ccaccaaatg 1440
agcactcctt ggccacttgt gcctccacca ctatgtcctg gtgactactg attaggtgac 1500
ctttcatcca tccatggggg acagccaacc ccactcccca tctgttctca gggttgaatc 1560
actacaagag atgagtttcc cttctttcct tgggtgttgc tttaaacctt ccctacccat 1620
tccctgggta actcacaccc ctctctcagg gctgaacgag tcatcccaaa gtgtatttcc 1680
tcccactcac cactgccacc cttgagtccc tcctgctccc atgcacagtt ttaaactcct 1740
ccctccaaaa ccaaagggaa tcgagagacc caattcccag gcgtctggga cccaggtgtc 1800
ctgttagatt caaaggcaca gagattatat tgattataaa gcaagtttat tctgaaaaaa 1860
aaaaaaaaa 1869

<210> 78
<211> 1881
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<223> Incyte ID No: 2670745CB1

<400> 78
gaagaaccga gcttggctgt gtttatctcg ttggggacta aggcgtcggt tggcgcgcaa 60
cgggttctag gctgcaggca gctcgaggac ccgcggcccc gccccggctc ggcctggcag 120
atagcagagg cagcaggccg tgccgggggg gcatgttgct gtaaccagtg gcccagggga 180
tgttacggtg gacagtgcac ctggagggcg ggccccgcag ggtgaaccat gctgcagtgg 240
ctgtcgggca tcgggtatac tccttcgggg gttactgctc tggtgaagac tatgagacac 300
tgcgtcagat agatgtgcac attttcaatg cagtgtcctt gcgttggaca aagctgcccc 360
cggtgaagtc tgccatccgt gggcaagctc ctgtggtacc ctacatgcgc tatggacact 420
caaccgtcct catcgacgac acagtcctcc tttggggcgg gcggaatgac accgaagggg 480
cctgcaatgt gctctatgcc tttgacgtca atacgcacaa gtggttcaca ccccgagtgt 540
cagggacagt tcctggggcc cgggatggac attcagcctg tgtcctaggc aagatcatgt 600
acatttttgg gggctacgag cagcaggcgg actgtttttc caatgacatt cacaagctag 660
ataccagcac catgacatgg actcttatct gtacaaaggg cagccctgca cgctggaggg 720
acttccactc agccacaatg ctgggaagtc acatgtatgt ctttgggggc cgtgccgacc 780
gctttgggcc attccattcc aacaatgaga tttactgcaa ccgcattcga gtctttgaca 840
ccagaactga ggcttggctg gactgtcccc cgactccagt gctgcctgag gggcgccgga 900
gccactcggc ctttggctac aatggggagc tgtacatctt tggtggttat aatgcaaggc 960
tgaaccggca cttccatgac ctctggaagt ttaatcctgt gtcctttacc tggaaaaaga 1020
ttgaaccgaa ggggaagggg ccatgtcccc gccggcgcca gtgctgctgt attgttggtg 1080
acaagattgt cctctttggg ggtaccagtc catctcctga ggaaggcctg ggagatgaat 1140
ttgaccttat agatcattct gacttacaca ttttggactt tagccctagt ctgaagactc 1200
tgtgcaaact ggccgtgatt cagtataacc tagaccagtc ctgtttgcct catgatatca 1260
ggtgggagct gaatgccatg accaccaaca gcaatatcag tcgccccatc gtctcctccc 1320
atgggtagga ggaagtttct gccacctccc ctcctgagcc tgctgtcatc ttcactgccc 1380
ctgcccatct gtcacccacc tgctcctttg acccctggac ttggtatacc tccatgtgga 1440
gttgttgggc gagaggtgtt ctctgtgctg tgaattcagt ggggagctgt agcggggtgg 1500
gggctaggtt cctccccccc tgggccgagg gccccttccc cttggtgctc tgtccccatc 1560
cacctccttt cagctgctcc tgggcctcag ctctgcccag ggccagccag gttctgctgg 1620
gaagggaagg gaatggggag aagggagaag caagcagtgt ctgagcctca ggagcttccc 1680
cctcccccct tgcctatccc ctccccctctg cttgagcctt gagccttgac tgggagctga 1740
aaggagttgc agctgttggc atgagacctc cttctccccg tcttggggag gtggggacca 1800
gcagataaat cccacccttc cttgagctgt cgctgtactc tgaagttcag ccagctcaga 1860
ttttataaaa attaattaaa a 1881

<210> 79
<211> 2004
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<223> Incyte ID No: 2676443CB1

<400> 79
aatcgcaggg ggcgtggcct agcggtcccg cccccggggc gcgcgcgcgc attggctgtg 60
cggggtgcgg gcgcgcgggc ggcgctttga accgggcgcg gggcgcgggg cgcggggcgc 120
tgcggccggt acacgccggg gtagggccgg ggtcgggttg tggtcgggcc gggattgggc 180

tctcctgggc catggcagcc gaggcgcgcg tgtcgcgctg gtacttcggg gggctggcct 240
cctgcggggc cgcctgctgc acgcacccgc tggacctgct caaggtgcat ctgcagacgc 300
agcaggaggt gaagctgcgc atgacgggca tggcgctgcg ggtggtgcgt accgacggca 360
tcctggcact ctacagcggc ctgagcgcct cgctgtgcag acagatgacc tactccctga 420
ctcggttcgc catctacgag actgtgcggg accgcgtggc caagggcagc caggggcctc 480
tccccttcca cgagaaggtg ttgctgggct ccgtcagcgg tttagctgga ggcttcgtgg 540
ggacgcccgc agacttggtc aacgtcagga tgcagaacga cgtgaagctg ccccagggtc 600
agcggcgcaa ctacgcccat gcgctggatg gcctgtaccg cgtagctcgt gaagagggtc 660
tcaggagact gttctcgggt gcaaccatgg catccagccg aggggcctta gtcactgtgg 720
gccagctgtc ctgctacgac caggccaagc agctggtcct tagcaccggg tacctctctg 780
acaacatctt cactcacttt gtcgccagct ttattgcagg tggatgtgcc acgttcctgt 840
gccagcccct ggatgtgctg aagactcgcc tgatgaactc caaggggtag tatcagggcg 900
ttttccactg cgccgtggag acagcgaagc tcgggcctct ggccttttac aagggcctcg 960
tcccagctgg catccgcctc atcccccaca ccgtgctcac ttttgtgttt ctggaacagc 1020
tacgcaaaaa ctttggcatc aaagtgccat cctgaccagc cgtgggaatg gctgggctgc 1080
caggccagac acgctaggtt cttccaaaga gtcccaagcc cagcacctgc tcctggggcc 1140
acgacctccc tggccgtggc cacccatcct ccgcagcagg cccctgctgt ccccccacct 1200
gctggctgag ctcctcctgg cctcgtcccc tctcagctgt agctgcacca cccccgctct 1260
ggctaccagg ctctcccggc tgggcactgc gtggccttgc ccctctcccg ctggcagctc 1320
ctcaggggaa caggggctac cagaggctga tttctccctc ctcctgggcc aggggagggg 1380
tattatccct gcctcctgcc cccgatgccc aaagcagcat cttccagcac tttccatcga 1440
ggacttgggt ggcagagtgt gggtgcagcc tggctgttgc tcacccaagt gctagctctg 1500
cacttcgtgt ctgctgagag caaccagacc ttccatgtcc tcgggcagct gcaactcccc 1560
gcgagacccc gcagctgggt gggatgaaca agcaacgcag accacaagcg agtgcctggg 1620
agggagtggc ccagggtggt tctggagcca ttgtgggtga gggtcgaggg ccaccgaggt 1680
cccgcgcacc gctgcctgcc ctgcagtggc tttaacagtt agttttgcca aagcctctcc 1740
actcaccagc aggcggtctc tgtcttcagg gattgtgcct gcgtccctcg ggcacctggg 1800
cccccccgct tggctccctg ggggaatggc ccaggcgggc cgcggttcct ccttagggcc 1860
ttctccccga caaggagtcc gacggggcgg atgctgcatc ctctgcctcc ctggtcgctg 1920
ggcttcaccc cacctgggaa gggcagtgtg ctctgtgggg gctgcaatca ataaatgccg 1980
ggagctgcca aaaaaaaaaa aaaa 2004

<210> 80
<211> 3555
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<223> Incyte ID No: 3295764CB1

<400> 80
gaccgtgggc gagtccagaa cgtcctggcc ttacagggag aaggcgtcac tcgcggttac 60
aagtgcctga ccctcactcc agttggcgga ggaggagaag gaaggggccg ggccgggtcc 120
cctcccctcg cgccccggat ggatgtgccc ggcccggtgt ctcggcgggc ggcggcggcg 180
gcggccactg tgctcctgcg gaccgctcgg gtccgtcgcg aatgctggtt cttgccgacc 240
gcgctgctct gcgcctacgg cttcttcgcc agcctcaggc cgtccgagcc cttcctgacc 300
ccgtacctgc tggggccgga caagaacctg accgagaggg aggtcttcaa tgaaatttat 360
ccagtatgga cttactctta cctggtgcta ctgtttcctg tgttccttgc cacagactac 420
ctccgttata aacctgttgt tctactgcag gggctcagcc ttattgttac atggtttatg 480
ctgctctatg cccagggact gctggccatt caatttctag aatttttta tggcatcgcc 540
acagccactg aaattgccta ttactcttat atctacagtg tggtggacct gggcatgtac 600
cagaaagtca caagttactg tcgaagtgcc actttggtgg gctttacagt gggctctgtc 660
ctagggcaaa tccttgtctc agtggcaggc tggtcgctgt tcagcctgaa tgtcatctct 720
cttacctgtg tttcagtggc ttttgctgtg gcctggtttt tacctatgcc acagaagagc 780
ctcttctttc accacattcc ttctacctgc cagagagtga atggcatcaa ggtacaaaat 840
ggtggcattg ttactgacac cccagcttct aaccaccttc ctggctggga ggacattgag 900
tcaaaaatcc ctctaaatat ggaggagcct cccgtggagg aaccggaacc caagccagac 960
cgtctccttg tattgaaagt actatggaat gatttcctga tgtgctactc ctctcgccct 1020
cttctctgct ggtctgtgtg gtgggccctc tctacctgtg gctattttca agttgtgaac 1080
tacacacagg gcctgtggga gaaagtgatg ccttctcgct atgctgctat ctataatggt 1140
ggcgtggagg ccgtttcaac cttactgggt gctgttgctg tgtttgcagt tggttatata 1200
aaaatatcct ggtcaacttg gggagaaatg acattatctc tcttttctct cctgattgct 1260
gctgcagtgt atatcatgga cactgtgggt aacatttggg tgtgctatgc atcctatgtt 1320
gtcttcagaa tcatctacat gttactcatc acgatagcaa cttttcaaat tgctgcaaac 1380
ctcagcatgg aacgctatgc cctagtattt ggtgtaaata ccttcattgc cctggcactg 1440
cagacgctgc tcactctaat tgtggtagat gccagtggcc ttggattaga aattaccact 1500
cagtttttga tctatgccag ttattttgca ctcatcgctg tggttttcct ggccagtggt 1560

gcagtcagtg ttatgaagaa atgtagaaag ctggaagatc cacaatcaag ttctcaagta 1620
accacttcat aatatactgc tgaagggctt cttcttatag caagaactct gcacagcaac 1680
tgcctggatg tatttgattt tttaaagcgt agacatatat ttatgaatgt gcatttcttg 1740
acttcacagc agccacttga ctaatacctt gtgttccggg aataacatga tactattcag 1800
aggagccaga agtaaagttt atttcatgga ttatttatga gagctaattt aaggatgact 1860
ttttttctga ttcaaaagtg aacttgattt taaaaaccag tcaagagcaa tcaaagcagc 1920
acatggtgtt gtatacttca ttagcaagtg agtttggtgt tttataggtc acatatgtct 1980
gtatctactt agccagatgc ttggcctggt gggaccaggg ctccacagag gccacaaaat 2040
gttgcaagtc atgatggatg gaaatatgtt ctaacagcat ctgcctctat tcaatttaat 2100
tcttatttct gtgttactca tgtacattgg tctttctaca tagttattct atcactggca 2160
atatttgttc tggtttagtg ttctgtattt taaggtgtac gtatcatttc taattttaag 2220
ttattttaaa aaaattcatc atatgaatgt tcttggttcc cattgtgacg attatttatt 2280
tctgtaaaat ttgtttagaa gtacgttttt gcattattca tatgcttccc agagaagctc 2340
atttagttag aaaataaggc aagttttgaa gcctgctaaa tgaagagact taagaaagct 2400
taaggtacgc ttgcttgtct ttaaatcttc aatatgaagg actattaatt ccaagattaa 2460
aagttcatat ataggctaaa gatgtaacta ggccatttgt atttgtattc ccttttattt 2520
ccaaaataaa atgaaaaatc tttttttaat aatttcatcc ctatttatag tttttatatt 2580
aatttgtttt tcttatccaa gtaaagatgt caataggaat tgcattagtc caaggccttt 2640
ttcataaact gagcctcttt tcaattattt caatgggaca ggaactagga tagatgtgat 2700
tcctgcattt ttttaccttа aatctgcctt tgtttctaaa ggtagatcat cttgaatatt 2760
tgcttaaaat tgctagtgat ttcattacca agttacttga aaaaatgttc tatatgcatt 2820
taattctgaa atcagtctac caaggggctg ctagtatatg tcagacatga aaactatttt 2880
aaagctgact ttgttgcctt atcttgaaaa gaatctagat aggtgctttt aactggggta 2940
ttaacttttt tagaatgaca cagctgaaca gtgttaataa tagtgtgtca agattgcaaa 3000
gtcgacatac tcatttggtt taagcaggaa tcctagaagc aaatggatgg ggataagaat 3060
aggtcatttt ctattcacca tcctttacta ttaagggaaa ggaaaagaac actagctaag 3120
gaagggaaag ggaagtgata tcataaaagt agcaaccttc attttacatt ctgtctgttt 3180
ttctttttttt gctttgtttt gtttgtgcta atttgggaat tgtgtactcc gaaacaagta 3240
gaaaagtgct gtttgaggga ttttattaaa tctttttttа atggaatgtg gtacaaattg 3300
ttcatgttac caaagcaata tttccctgga atttaattca aagtttgtgg catacaacct 3360
gagccttttc ttatataaga caagaatatg ttcacatctt ggtatgtggc catatttata 3420
gaatgctgaa ctcaatgtgc aagttgtact gtatgcagtt ttgtaaataa gtgaaaataa 3480
tttgttgtac tttttattca attctgtata gattataaaa ttatttttat taaataaata 3540
ttttacagta tattt 3555

<210> 81
<211> 1293
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<223> Incyte ID No: 3438320CB1

<400> 81
atatgcccca cgcgggactc atactacgtt tcccgtgaac acgtgcagtc caaaccccgc 60
ccctgatatt tatctcagtg gacggtggcc ggaaaaggac aatggtttcc atgtcagcgg 120
ataaacgctc tcccctcggc tcccggacgc gacggaggtc gtagtagtag tgagtacgtg 180
ctgaggagca aaggagtaac caagagatcc agtgaccgac agagcaagag ccatgccgcg 240
ccggggcctg gtggctgggc cagacttgga gtattttcag cgtcgctatt tcacgccggc 300
ggaggtggcc caacataaca ggcccgaaga cctctgggta tcttacctgg gacgcgtgta 360
cgacctaacg tcattggcac aggaatacaa ggggaacctg ctgctgaaac ccatcgtgga 420
agttgcaggc caggatatca gccactggtt tgatccaaag accagagaca tccgcaagca 480
catagatccg ctgaccggct gcctgaggta ctgcaccccg cggggccgct ttgtgcacgt 540
tccgcctcag ctgccctgtt cggactgggc caacgatttt gggaagccct ggtggcaggg 600
gtcgtattat gaggtggggc ggctgtctgc caagacccgg agcatccgca tcattaacac 660
gctcacgtcg caggagcaca cactggaggt gggggttctg gagtccatat gggaaatcct 720
acaccgctat ctcccctata actcacatgc tgccagctac acgtggaaat atgaagggaa 780
gaacctgaac atggatttta ccctggaaga gaatgggatc cgggatgagg aggaagaatt 840
tgactatctc agtatggacg gtacacttca cacacctgca atacttctgt acttcaatga 900
tgatctcacg gagttgtagg caaggagatg tacactcgtg tagactcaag acgtatttcg 960
agtttggctt tttctgtgcc ttgaggaaaa gtggtggggc cgaggggtgc ctggacccag 1020
atctccactc ctctccagga gctagcctgt gcccttctga agtgtaaagg ccctattccc 1080
tgccttcatt acagtttgct ctgagaaaat tagtgaatta atctttggga atgatacaag 1140
aagatcaagt accttggttt agggagatgt agaagaggat agtcagagtt caggcagaac 1200
tgtttgatag ttaagagaga gtagttctac aggggtgagg gatggaagga ctttttggc 1260
aatgatggaa atgagatgtc tgcaggagat ggg 1293

<210> 82
<211> 1489
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<223> Incyte ID No: 3986488CB1

<400> 82
cggggctggc gggcggcgct cttctacggg acctgctcct tcctcatcgt gcttgtcaac 60
aaggcgctgc tgaccaccta cggtttcccg tcaccaattt tccttggaat tggacagatg 120
gcagccacca taatgatact atatgtgtcc aagctaaaca aaatcattca cttccctgat 180
tttgataaga aaattcctgt aaagctgttt cctctgcctc tcctctacgt tggaaaccac 240
ataagtggat tatcaagcac aagtaaatta agcctaccga tgttcaccgt gctcaggaaa 300
ttcaccattc cacttacctt acttctggaa accatcatac ttgggaagca gtattcactc 360
aacatcatcc tcagtgtctt tgccattatt ctcggggctt tcatagcagc tgggtctgac 420
cttgctttta acttagaagg ctatattttt gtattcctga atgatatctt cacagcagca 480
aatggagttt ataccaaaca gaaaatggac ccaaaggagc tagggaaata cggagtactt 540
ttctacaatg cctgcttcat gattatccca actcttatta ttagtgtctc cactggagac 600
ctgcaacagg ctactgaatt caaccaatgg aagaatgttg tgtttatcct acagtttctt 660
ctttcctgtt ttttggggtt tctgctgatg tactccacgg ttctgtgcag ctattacaat 720
tcagccctga cgacagcagt ggttggagcc atcaagaatg tatccgttgc ctacattggg 780
atattaatcg gtggagacta cattttctct ttgttaaact ttgtagggtt aaatatttgc 840
atggcagggg gcttgagata ttccttttta acactgagca gccagttaaa acctaaacct 900
gtgggtgaag aaaacatctg tttggatttg aagagctaaa gagtctgcag caggattgga 960
gactgacttg tgactgcggg ctgggggggc attcccagta ggaatgtgaa gccagaggtt 1020
tcggattcgt gacatccacc ccctgggcaa gtgagagcat ctgcaaaatg caaagagaac 1080
tacctcatat gcaggatgag ccaatggcag tctcaagaaa tgtactcggg cgacacctta 1140
cctgtggaaa gcaaatcttt tcaaaataag ccactgggac tcggtaggtg gagccccagc 1200
tgctcttcta gggacctatg gggccttcgt ggcatctctg tgctgtgtgc tggggaggag 1260
gttgatgtaa tggtgactct tttctgatca gcaccttggc cgtgattccc aaggtcccag 1320
ccaaagcaaa gggccagttg tttcagttta aacagacatg tctttagtct aataaaatta 1380
gttaactgcc agtaaagtta tttgttagct ttgatgaaag ctatgttggt atctttccct 1440
aatcatcaaa gtaaataaaa aatcatttct atgtaaaaaa aaaaaaaaa 1489

<210> 83
<211> 927
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<223> Incyte ID No: 4378816CB1

<400> 83
ctccctgctt tcctctgccg catggtcctg ggccgttggc gtcggaagcc tgaagcatgg 60
gcgctgagtg ggagctgggg gccgaggctg gcggttcgct gctgctgtgc gccgcgctgc 120
tggcggcggg ctgcgccctg ggcctgcgcc tgggccgcgg gcaggggcg gcggaccgcg 180
gggcgctcat ctggctctgc tacgacgcgc tggtgcactt cgcgctggaa ggccctttg 240
tctactttgtc tttagtagga aacgttgcaa attccgatgg cttgattgct tctttatgga 300
aagaatatgg caaagctgat gcaagatggg tttattttga tccaaccatt gtgtctgtgg 360
aaattctgac cgtcgccctg gatgggtctc tggcattgtt cctcatttat gccatagtca 420
aagaaaaata ttaccggcat ttcctgcaga tcaccctgtg cgtgtgcgag ctgtatggct 480
gctggatgac cttcctccca gagtggctca ccagaagccc caacctcaac accagcaact 540
ggctgtactg ttggctttac ctgtttttt ttaacggtgt gtgggttctg atcccaggac 600
tgctactgtg gcagtcatgg ctagaactca agaaaatgca tcagaaagaa accagttcag 660
tgaagaagtt tcagtgaact ttcaaaacca taaacaccat tatctaactt catgaaccag 720
aatgaatcaa atctttttgt ttggccaaaa tgtaatacat tccagtctac actttgtttt 780
tgtattgttg ctcctgaaca acctgtttca aattggtttt aaggcgacca gttttcgttg 840
tattgttgtt caattaaatg gtgatatagg gaaaagagaa caaatttgaa tttgtaataa 900
taaaatgttt aattatacaa aaaaaaa 927

<210> 84
<211> 970
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<223> Incyte ID No: 4797137CB1

<400> 84
ggatgcagca gagaggagca gctggaagcc gtggctgcgc tctcttccct ctgctgggcg 60
tcctgttctt ccagggtgtt tatatcgtct tttccttgga gattcgtgca gatgcccatg 120
tccgaggtta tgttggagaa aagatcaagt tgaaatgcac tttcaagtca acttcagatg 180
tcactgacaa gcttactata gactggacat atcgccctcc cagcagcagc cacacagtat 240
caatatttca ttatcagtct ttccagtacc caaccacagc aggcacattt cgggatcgga 300
tttcctgggt tggaaatgta tacaaagggg atgcatctat aagtataagc aaccctacca 360
taaaggacaa tgggacattc agctgtgctg tgaagaatcc cccagatgtg caccataata 420
ttcccatgac agagctaaca gtcacagaaa ggggttttgg caccatgctt tcctctgtgg 480
ccctttcttc catccttgtc tttgtgccct cagccgtggt ggttgctctg ctgctggtga 540
gaatggggag gaaggctgct gggctgaaga agaggagcag gtctggctat aagaagtcat 600
ctattgaggt ttccgatgac actgatcagg aggaggaaga ggcgtgtatg gcgaggcttt 660
gtgtccgttg cgctgagtgc ctggattcag actatgaaga gacatattga tgaaagtctg 720
tatgacacaa gaagagtcac ctaaagacag gaaacatccc attccactgg cagctaaagc 780
ctgtcagaga aagtggagct ggcctggacc atagcgatgg acaatcctgg agatcatcag 840
taaagacttt aggaaccact tatttattga ataaatgttc ttgttgtatt tataaactgt 900
tcaggaagtc tcataagaga ctcatgactt ccccttttcaa tgaattatgc tgtaattgaa 960
tgaagaaatc 970

<210> 85
<211> 594
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<223> Incyte ID No: 5470806CB1

<400> 85
gacaggatgg cttcccttcg cctgttcctc ctctgcctcg ctgtactgat atttgcgtct 60
gaagctggcc ctgggggtgc tggagaatcc aagtgtcctc tgatggtcaa agtcctggat 120
gctgtccgag gcagccctgc tgttgatgtg gccgtgaaag tgttcaaaaa gactgcagac 180
ggaagctggg agccgtttgc ctctgggaag accgccgagt ctggagagct gcacgggctc 240
accacagatg agaagttcac ggaaggggtg tacagggtag aactggacac caaatcgtac 300
tggaaggctc ttggcatttc cccattccat gaatacgcag aggtggtttt cacagccaat 360
gactctggtc atcgccacta caccatcgca gccctgctca gcccgtactc ctacagcacc 420
actgctgtcg tcagtaaccc ccagaactga gggacccagc ccagtaggac caggatcttg 480
ccaaagcagt agcttcccat ttgtactgaa acagtgttct tgctctataa accgtgttag 540
caactcggga agatgccgtg aaacgatctt attaaaccac ctgtgatgcc aaaa 594

<210> 86
<211> 618
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<223> Incyte ID No: 5473242CB1

<400> 86
gtgttgactc gcaacctcag gaacagacac catggtgcac ctaactgatg ctgagaaggc 60
tactgttaat ggcctgtggg gaaaggtgaa ccctgttgaa attggcgctg agtcccttgc 120
cagtctgctg attgtctacc cttggaccca gaggtacttt tctaaatttg gggacctgtc 180
ctctgtctct gctatcatgg gtaaccccca ggtgaaggcc catggcgaaa aggtgataaa 240
cgccttcgat gatggcctga aacacttgga caacctcaag ggcacctttg ccagcctcag 300
tgaactccac tgtgacaagc tgcatgtgga tcctgagaac ttcaggctcc tgggcaatat 360
gattgtgatt atgatgggcc accacctggg caaggaattc accccgagtg cacaggctgc 420
cttccagaag gtggtggctg gagtggccag tgccctggct cacaagtacc actaaacctc 480
ttttcctgct cttgtctttg tgcaatggtc aattgttccc aagagagctt ctgtcagttg 540
ttgtcaaaat gacaaagacc tttgaaaatc tgtcctacta attaaagcat ttggttcaag 600
tgttctgttg agataccc 618